

## SEARCH REQUEST FORM

1997

Examiner # (blank) Requester's Full Name: CHRISTOPHER TUCKERArt Unit 2766 Location (Bldg/Room#): CP42-503 Phone (circle 305 306 308) 5539Serial Number: 08/976,579 Results Format Preferred (circle): PAPER DISK E-MAILTitle of Invention PAPER DOCUMENT SATCHELSInventors (please provide full names): JAMES D. THORNTON, ANTHONY G. LAMARCAEarliest Priority Date: 11/24/97

Keywords (include any known synonyms registry numbers, explanation of initialisms):

01-20-00 A08:28 IN

## Search Topic:

Please write detailed statement of the search topic, and the concept of the invention. Describe as specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. You may include a copy of the abstract and the broadcast or most relevant claim(s).

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## STAFF USE ONLY

Searcher: Daniel HollowaySearcher/Phone #: 208-7294Searcher/Location: CP42-503Date Picked Up: 1-27-00-11Date Completed: 1-28-00-1130Clerical Prep Time: 60Terminal Time: 209Number of Databases: 208-53

## Type of Search

N/A Sequence

A/A Sequence

Structure (#)

Bibliographic

Litigation 1

Fulltext

Procurement

Other

## Vendors (include cost where applicable)

STN

Questel/Orbit

Lexis/Nexis

1 WWW/Internet

In-house sequence systems (list)

1 Dialog

1 Dr. Link

Westlaw

Other (specify)

Set	Items	Description
S1	203475	PRINT? OR IMPRINT? OR EMOSS? OR EMBED? OR WATERMARK?
S2	551	TOKEN? OR AUTHENTICAT?
S3	5813	GLYPH? OR DATAGLYPH? OR BARCODE? OR BAR()CODE? OR OCR OR M-ACHINE()READABLE
S4	40227	ACCESS? OR SECURITY()DATA OR PRICING OR LEGAL()RESTRICTION? OR RATING? OR LOCATION?
S5	2	(TWO OR 2 OR MULTIPLE OR MULTI OR SECOND) (2N) (PART? ? OR ASPECT? OR ATTRIBUTE?) (S)TOKEN?
S6	373255	PAPER? OR HARD() (COPY OR COPIES) OR HARDROP?
S7	31361	POINTER? OR ADDRESS? OR TAG? ? OR INDICATOR? OR MARKER?
S8	67370	S1(S)S6
S9	616	S8(S) (S2 OR S3)
S10	88	S9 AND (S4 OR S7)
S11	40	S9 AND S2
S12	4	S11 AND (S4 OR S7)
S13	3	S9 AND S4 AND S7
S14	31	S8(10N) (S2 OR S3) (10N) (S4 OR S7)
S15	37	S12 OR S13 OR S14 OR S5
S16	36	RD (unique items)
S17	0	(S1 OR S6) (3N) (EMBED? OR INTERNAL?) (3N) (SOFTWARE? OR OBJECT?) AND S2
S18	79	(S1 OR S6) (3N) (EMBED? OR INTERNAL?) (3N) (SOFTWARE? OR OBJECT?)
S19	10	S18 AND (S2 OR SECUR? OR AUTHENTIC? OR KEY? OR ENCRYPT? OR ENCIPHER? OR ENCYPER?)
S20	46	S16 OR S19
S21	46	RD (unique items)
S22	38	S21 NOT PY>1997
S23	38	S22 NOT PD>971124

File 240:PAPERCHEM 1967-1999/Dec

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File 248:PIRA 1975-2000Feb W4

(c) 2000 Pira International

File 323:RAPRA Rubber & Plastics 1972-2000/Jan B2

(c) 2000 RAPRA Technology Ltd

23/3,K/1 (Item 1 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
(c) 1999 IPST. All rts. reserv.

00554999 PAPERCHEM NO: AB6705565; GA4402203

**Sticking to Self-Adhesives**

Burke, J.

SOURCE: Print. World 255, no. 4: 26, 28 (July 22, 1996). [Engl.]

Big business in the **printing** and packaging industries, labels include self-adhesive, gummed, holograms, pressure-sensitive, heat-reactive, **address**, **bar-code**, digital, tamper proof, UV, water-resistant, and those **printed** in molds. Retailers want the most eye-catching results from the latest technology, from laminating...

23/3,K/2 (Item 2 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00550176 PAPERCHEM NO: PB0101126

**Safety Paper**

Muck, H.; Harms, S.

PATENT ASSIGNEES: Giesecke & Devrient GmbH. (Munich: Germany)

PATENT NUMBER: DE 4314380 PATENT DATE: 941103 PATENT CLASS#: B44F1/12

PATENT APP# - DATE OF APPLICATION

DE 4314380 - 930501

SOURCE: Ger. pat. 4,314,380. November 3, 1994. 17 claims. 12 p.  
Cl.B44F1/12. Filed: Ger. appln. 4,314,380} (May 1, 1993). [Ger.]

Safety **paper** is made up of at least two plies formed on separate units and incorporates an **authenticating** strip at least 2 mm wide **embedded** in the first ply. While such a wide strip causes openings to be formed in this ply (with the strip partially **accessible** on both sides), these openings are covered by one or two surface plies. As a...

23/3,K/3 (Item 3 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00539384 PAPERCHEM NO: GA4306916

**Hints, Ideas, and Production Alternatives for Your Design Projects**

Hersey, J.; Sidles, C.

SOURCE: HOW 11, no. 1: 106-107 (February 1996). [Engl.]

... the meaning of contrast, 50% screen values, anchor points in desktop art, folding dummies from **printers**, Post Office approval for **addresses** and **bar codes**, proofreading type on art, **paper** grain and folds, tiny type in pastel colors, and originals and **paper** selection for stochastic-screen projects.

23/3,K/4 (Item 4 from file: 240)  
DIALOG(R)File 240:PAPERCHEM  
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00519425 PAPERCHEM NO: GA4300411

**Bar-Code Print Technologies**

Frampton, R.

AUTHOR AFFILIATION: Frampton, R. (Australian Printer (Milsons Point: Australia)).

SOURCE: Aust. Printer: 36 (November 1994). [Engl.]

The relative merits of the many different technologies used for **printing** **bar codes** are discussed. Formed-character **printers** produce crisp images but have limited flexibility; dot-matrix **printers** are very flexible in the size and location of the **bar code** but can print

codes of limited density only; thermal **printers** are very fast, but the thermal **paper** is easily discolored; and laser printers produce crisp images at high speeds and have low...

23/3,K/5 (Item 5 from file: 240)  
DIALOG(R) File 240:PAPERCHEM  
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00517498 PAPERCHEM NO: AB6601256  
**Method of Manufacturing and Utilizing Cellulosic Fiber Identification Tags for Wooden Articles**  
Renquist, G. A.  
PATENT ASSIGNEES: Moore Business Forms Inc. (Grand Island: NY: United States)  
PATENT NUMBER: US 5203962 PATENT DATE: 930420 PATENT CLASS#: 162/4  
PATENT APP# - DATE OF APPLICATION  
US 360073 - 890601  
SOURCE: U.S. pat. 5,203,962. Issued April 20, 1993. 17 claims. 5 p. Cl.162/4. Filed: U.S. appln. 360,073} (June 1, 1989). [Engl.]

Identification **tags** for pulpwood logs are **paper** -based so that they will not be contaminants in the subsequent pulping process. The **tags** are **bar** - **coded** and **printed** with indicia, laminated with water-soluble acrylic varnish, and stapled to the ends of the...

23/3,K/6 (Item 6 from file: 240)  
DIALOG(R) File 240:PAPERCHEM  
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00517288 PAPERCHEM NO: AB6519944  
**Recovery of Magnetic Recording Sheet**  
Suzuki, K.; Hayata, T.; Maesawa, Y.  
PATENT ASSIGNEES: Toshiba Corp.  
PATENT NUMBER: JP 5179591/JP 93179591 PATENT DATE: 930720 PATENT CLASS#: D21C5/02  
PATENT APP# - DATE OF APPLICATION  
JP 91347428 - 910027  
SOURCE: Jap. pat. Kokai 179591/93. July 20, 1993. 4 p. Cl.D21C5/02. Filed: Jap. appln. 347428/91 (December 27, 1991).

Waste magnetic recording paper (1 part) such as train **token** tickets is placed in an autoclave. Water (0.1-2 **parts**) is added to the paper. After removal of air, the mixture is heated to 400...

23/3,K/7 (Item 7 from file: 240)  
DIALOG(R) File 240:PAPERCHEM  
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00509604 PAPERCHEM NO: GA4206183  
**Report on Bar Coding: Minding the Shop**  
SOURCE: Can. Packag. 47, no. 10: 21-22, 39 (October 1994). [Engl.]

...Bay Co.), Canada's oldest department store, was searching for a way to eliminate unproductive **paperwork**, provide solid editing controls, and offer timeliness with point-of-sale **pricing**. Symbol Technologies and Monarch Marking Systems of Canada suggested the Symbol Laser Radio Frequency terminal and Monarch Rascal portable-**bar** -**code** **printer** that gave The Bay real-time price marking, mark-ups, mark downs, auto PLU updates...

23/3,K/8 (Item 8 from file: 240)  
DIALOG(R) File 240:PAPERCHEM  
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00355488 PAPERCHEM NO: AB6505488

**Apparatus for Separating Folded Web**

Crowley, H. W.; Bilinski, J. R.

PATENT ASSIGNEES: Roll Systems Inc. (Burlington: MA: USA)

PATENT NUMBER: US 5149075 PATENT DATE: 920922 PATENT CLASS#: 270/39

PATENT APP# - DATE OF APPLICATION

US 641472 - 910115

SOURCE: U.S. pat. 5,149,075. Issued Sept. 22, 1992. 81 claims. 14 p.  
Cl.270/39. Filed: U.S. appln. 641,472 (Jan. 15, 1991).

... apparatus is provided for cutting a continuous web such as a web of perforated computer **printout paper** at predetermined locations, folding the web in zigzag fashion, and supporting the zigzag-folded stack. Web fold and separation locations may be determined by a **bar code** detector that reads a **bar code** placed upon the web that represents information relating to separation and fold locations.

23/3,K/9 (Item 9 from file: 240)

DIALOG(R)File 240:PAPERCHEM

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00261995 PAPERCHEM NO: AB5907614

**Two-Way Mailing Envelope and Method of Making and Addressing the Same**

Barr, A. C

PATENT NUMBER: US 4688715 PATENT DATE: 870825 PATENT CLASS#: 229/73

PATENT APP# - DATE OF APPLICATION

US 845947 - 860331

US 4602736 - 850221

US 703792 -

SOURCE: U.S. pat. 4,688,715. Issued Aug. 25, 1987. 11 claims. 11 p.  
Cl.229/73. Filed: U.S. appln. 845,947 (March 31, 1986). Priority: U.S. pat. 4,602,736 [filed as] U.S. appln. 703,792 (Feb. 21, 1985).

... is glued to the rear panel to seal the envelope bottom. The front panel is **addressed** to the recipient in an optical character reader (OCR) area, and a return **address** is **printed** above the area. During return mailing, the rear panel end flap is used to seal...

23/3,K/10 (Item 1 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00498087 Pira Acc. Num.: 20100053

**Title: Navigate changing tides. After a three-year high, forms sales move in opposite direction**

Authors: D'Alessandro L; Cagle E

Source: Bus. Forms Labels Syst. vol. 35, no. 20, 20 Oct. 1997, pp 20, 25-26, 28, 30, 32, 34, 36, 38, 40, 43

ISSN: 1044-758X

Publication Year: 1997

Document Type: Journal Article

Language: English

...Abstract: sales, labels 5.1%, commercial printing 5.7%, and direct mail and binders 11%. Laser **printers**, electronic forms and communication are the main cause of traditional forms' decline. **Paper** has survived in laser cut sheets, **bar codes** on products, and labels. Consolidation has eroded sales, with manufacturing locations decreasing 42%, and sales per employee dropping 8.7%. The Top 20 were most productive...

23/3,K/11 (Item 2 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00465444 Pira Acc. Num.: 20068366

**Title: Roll flow management: success at Mojokerto**

Authors: Makinen J

Source: Asia Pac. Papermaker vol. 6, no. 10, Oct. 1996, pp 29-30 (K, P)

Publication Year: 1996

Document Type: Journal Article

Language: English

...Abstract: important. The stages of the Trackrol system are described from the winder section, the core **tag printer**, stretch wrapping including the **bar code**, weighing, roll measurement, end stencilling and labelling stages, to the sheeters. The system connects roll...

**23/3,K/12 (Item 3 from file: 248)**

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00462205 Pira Acc. Num.: 20065445

**Title: Information hiding in text images (38909)**

Authors: Anon

Source: Res. Disclosure no. 389, Sept. 1996, pp 539-540

ISSN: 0374-4353

Publication Year: 1996

Document Type: Journal Article

Language: English

...Abstract: to detect them. The sequence of spaces between character centres is created by an application **embedded** in the document creation **software**. The sequence of spaces throughout the document, starting on a different letter of the message...

...Descriptors: **SECURITY** PRINTING

Section Headings: **Security** Printing (8615)

**23/3,K/13 (Item 4 from file: 248)**

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00422615 Pira Acc. Num.: 20036263

**Title: THE ILLUSTRATE SERVER'S CLAIM TO FAME**

Authors: Anon

Source: Electron. Doc. vol. 4, no. 7, July 1995, pp 10-11

ISSN: 0965-2035

Publication Year: 1995

Document Type: Journal Article

Language: English

...Abstract: in the latest version of the Illustrate Server launched in May 1995 are described. It **embeds object** oriented capabilities in a relational model. Multimedia services are seen as a **key** application. PLS is a provider of text retrieval products and services for online, CD ROM...

**23/3,K/14 (Item 5 from file: 248)**

DIALOG(R)File 248:PIRA

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00406579 Pira Acc. Num.: 20028081

**Title: QUALITY MANAGEMENT SYSTEMS; A SHORTCUT TO CIM**

Authors: Kallos S E; Gilson T R

Source: PIMA vol. 77, no. 3, Mar. 1995, pp 27-32 (K, P, S)

ISSN: 0161-1364

Publication Year: 1995

Document Type: Journal Article

Language: English

...Abstract: database model can be used to satisfy the need for rapid data access with adequate **security**, the three layers being data, shared

business rules, and applications. A Microsoft Windows front end to the process data system is used, employing **Object Linking and Embedding** (OLE), which is Dynamic Data Exchange (DDE) compliant. Windows based programs can be used to...

23/3,K/15 (Item 6 from file: 248)  
DIALOG(R)File 248:PIRA  
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00390622 Pira Acc. Num.: 20013965

**Title: TUNED IN TO BEAT THE SHOPLIFTER**  
Authors: Pidgeon R  
Source: Packag. Week vol. 10, no. 12, 28 July 1994, p. 16  
ISSN: 0267-6117  
Publication Year: 1994  
Document Type: Journal Article  
Language: English

...Abstract: USA, has launched a tagging system in the UK. Impulse radio frequency labels applied to **paper**, plastics or glass packs, hidden under decorative labels or **embedded** inside board protect products from shoplifting. The **paper** /polyethylene laminate labels have a layer of aluminium etched to create a **printed** circuit. The pressure-sensitive labels, supplied on rolls, can be **printed** with **barcodes**, logos and product information. Labels are deactivated by passing the label over a pad or using a POS **pricing** scanner/deactivator. Impulse labels have increased product sales and reduced losses through theft since they...

...Descriptors: **TAG**

23/3,K/16 (Item 7 from file: 248)  
DIALOG(R)File 248:PIRA  
(c) 2000 Pira International. All rts. reserv.

00386461 Pira Acc. Num.: 20009637

**Title: CLEVER PACKAGING SOLUTIONS FOR ALL TASTES**  
Authors: Ferranti A C  
Source: Rass. Grafica no. 7, 15 Apr. 1994, p. 16  
ISSN: 0033-9687  
Publication Year: 1994  
Document Type: Journal Article  
Language: Italian

...Abstract: different points. Another CMC problem-solving success was an automated mailing line with ink jet **printing** system, optical laser **barcode** reading, and automated **address** overwrapping, devised for Nuovo Istituto Arti Grafiche. CMC exports 60% of its output. The company...

23/3,K/17 (Item 8 from file: 248)  
DIALOG(R)File 248:PIRA  
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00384937 Pira Acc. Num.: 20008038

**Title: DOCUMENT REUSE AND DOCUMENT SYSTEMS**  
Authors: Levy D M  
Source: Electron. Publ. Orig. Dissemination Des. vol. 6, no. 4, Dec. 1993, pp 339-348  
ISSN: 0894-3982  
Publication Year: 1993  
Document Type: Journal Article  
Language: English

...Abstract: It can also shed light on the design and use of standards such as OLE ( **object** linking and **embedding** ), SGML (standard generalised mark-up language) and ODA (open document architecture), which are used in structured and in compound documents. The **key** characteristics of

documents are outlined, and the basics of reuse are examined. An analysis is...

23/3,K/18 (Item 9 from file: 248)  
DIALOG(R)File 248:PIRA  
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00380466 Pira Acc. Num.: 20003353  
**Title: CONSUMABLES FEED PRODUCTIVE THERMAL TRANSFER PRINTING**  
Authors: Anon  
Source: Autom. ID News Int. vol. 2, no. 7, Nov. 1993, pp 32-33  
Publication Year: 1993  
Document Type: Journal Article  
Language: English

...Abstract: must be chosen. When choosing a ribbon various variables must be considered such as: the **printer**, the receptor stock, ribbon composition, **bar code** label format and operating and storage conditions. The media may be coated or uncoated, **paper**, film, labels or **tag** stock. Ribbon product types, **paper** media and printheads are all outlined.

23/3,K/19 (Item 10 from file: 248)  
DIALOG(R)File 248:PIRA  
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00377151 Pira Acc. Num.: 10390618 Pira Abstract Numbers: 08-94-PT00674,  
03-94-00716  
**Title: PRODUCT AND IMAGE SECURITY: THE APPLICATION OF LABELS, TAGS, PACKAGING AND SYSTEMS IN A SECURITY ENVIRONMENT HELD AT CHICAGO, IL, USA, 25-26 FEBRUARY 1993**  
Authors: Anon  
Source: Venice, FL, USA: Co-Wise USA Inc., 1993, \$325.00  
(621.798.6)(10208)  
Publication Year: 1993  
Document Type: Conference Publication  
Language: English

**Title: PRODUCT AND IMAGE SECURITY: THE APPLICATION OF LABELS, TAGS, PACKAGING AND SYSTEMS IN A SECURITY ENVIRONMENT HELD AT CHICAGO, IL, USA, 25-26 FEBRUARY...**

...Abstract: and industrial theft are increasing. Various technologies have evolved to deal with these problems. Specialist **papers** (for example, with inclusions), coatings or inks (including tactile and **indicator** inks) are now available, many of which can be used with conventional **printing**. Alternatively, special labels or tapes incorporating security devices (like holograms, hidden messages revealed if tampering...

... defence for products is to have two or more security devices, overt or covert, incorporated; **authentication** must be possible.

...Descriptors: **INDICATOR** ; ...

...TAG ;

23/3,K/20 (Item 11 from file: 248)  
DIALOG(R)File 248:PIRA  
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00376778 Pira Acc. Num.: 10383285 Pira Abstract Numbers: 08-94-PT00672  
**Title: DOCUMENT SECURITY AND ANTI-COPYING DEVICES**  
Authors: Bednar R; Gardner N  
Source: Paper presented at Product and Image Security: the Application of Labels, Tags, Packaging and Systems in a Security Environment held at Chicago, IL, USA, 25-26 Feb. 1993, 7pp [Venice, FL, USA: Co-Wise USA Inc., 1993, \$325.00 (621.798.6)(10208)

Publication Year: 1993  
Document Type: Journal Article  
Language: English

Abstract: Counterfeiting costs legitimate manufacturers money; security devices are reviewed. Security **printers** use optically "dead" **paper**, which does not react under ultra-violet light, allowing invisible ultra-violet to be used. **Paper** with visible or invisible inclusions is available; examples are given. Security features must be identifiable...

... features in a document are more reliable than just one. Chemically sensitive, or other specialist **papers**, can be used, for **authentication**; they are suitable for label or **tag** applications. Well-designed water marks are still difficult to reproduce. **Printing** techniques which are useful include the void dropout, microprinting, latent images, and the use of...

...Descriptors: **TAG** ;

23/3,K/21 (Item 12 from file: 248)  
DIALOG(R)File 248:PIRA  
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00369151 Pira Acc. Num.: 10212400 Pira Abstract Numbers: 01-93-04790  
**Title: WE NOW MANAGE MORE INVENTORY BETTER WITH AUTOMATION**  
Authors: Forger G  
Source: Mod. Mater. Handl. vol. 48, no. 6, May 1993, pp 46-48  
ISSN: 0026-8038  
Publication Year: 1993  
Document Type: Journal Article  
Language: English

...Abstract: Inside the converting plant there is a 34-vehicle AGVS and an 8,400 storage **location** AS/RS. Handling of materials is controlled by computer with information input from **barcode** labels applied to rolls, cartons of sheets of **paper**, and pallets.

23/3,K/22 (Item 13 from file: 248)  
DIALOG(R)File 248:PIRA  
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00364110 Pira Acc. Num.: 10281301 Pira Abstract Numbers: 08-93-PT03465  
**Title: BAR CODE REPORT: MAGNETOGRAPHIC PRESS PROVIDES VERSATILITY**  
Authors: Anon  
Source: Bus. Forms Labels Syst. vol. 31, no. 12, 20 June 1993, pp 111-113  
ISSN: 1044-758X  
Publication Year: 1993  
Document Type: Journal Article  
Language: English

...Abstract: be acquired by an independent manufacturer. Vanier is seeking to exploit the growing market for **bar codes**, modulus numbering, and other variable-**printed** information. This investment is in response to a customer requirement for **bar - coded** inventory **tags**. Principal advantage of the magnetographic press is that it can be used to **print** on carbonless **paper**. The number of plate changes per job has been reduced with the installation of the...

23/3,K/23 (Item 14 from file: 248)  
DIALOG(R)File 248:PIRA  
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00354592 Pira Acc. Num.: 10290473 Pira Abstract Numbers: 08-93-PT02532,  
03-93-02860  
**Title: A PATH TO QUALITY PRINT**

Authors: Anon  
Source: Packag. News (Aust.) Mar. 1993, p. 28  
ISSN: 0048-2676  
Publication Year: 1993  
Document Type: Journal Article  
Language: English

...Abstract: crisp text and graphic images are ensured with the company's Lexmark range of laser **printers**. With a straight through **paper** path, the Lexmark 4029 series handles 75-300gsm stock providing problem free **printing** of labels, swing **tags** and cardboard point of sale advertising. The high density **barcode** PDF 417 from TCG provides high standards in laser **print** quality while the Flips barcode and label design system will generate two dimensional PDF 417...

23/3,K/24 (Item 15 from file: 248)  
DIALOG(R)File 248:PIRA  
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00347927 Pira Acc. Num.: 10288536 Pira Abstract Numbers: 08-93-PU01451,  
08-93-PT01603  
**Title: KEYING, CODING, CONVERSION AND COMMUNICATIONS**  
Authors: Penfold D  
Source: Paper presented at Short Run and On Demand Printing and Publishing held 26-27 Nov. 1992 at London, UK, Paper 4, 8pp [Leatherhead, UK: Pira International, 1992, #95.00 (TK:PR:01:0592)(6265)  
Publication Year: 1992  
Document Type: Conference Publication  
Language: English

**Title: KEYING, CODING, CONVERSION AND COMMUNICATIONS**  
...Abstract: run and on-demand publishing. A comparison is given of the benefits and drawbacks of **keyboarding** and Optical Character Recognition (OCR) for capturing material from paper. Various methods of using material ...

... a structured form is examined together with the utilisation of Dynamic Data Exchange (DDE) and **Object** Linking and **Embedding** (OLE). Finally the use of electronic communications as a cost-effective approach to publishing is...

...Descriptors: **KEYBOARD** ;

23/3,K/25 (Item 16 from file: 248)  
DIALOG(R)File 248:PIRA  
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00324737 Pira Acc. Num.: 10184666 Pira Abstract Numbers: 08-92-PU02790  
**Title: MICROSOFT MAIL 3.0: THIRD TIME'S A CHARM**  
Authors: Fryer B  
Source: PC World vol. 10, no. 7, July 1992, p. 51  
ISSN: 0737-8939  
Publication Year: 1992  
Document Type: Journal Article  
Language: English

...Abstract: Microsoft Mail 3.0 has been completely redesigned, and offers improved performance and powerful functions. **Key** features include the ability to drag and drop names, files, and folder; OLE (**Object** Linking **Embedding**) support; a global address list, message finder and spelling checker. The features of Microsoft Mail...

...Descriptors: **OBJECT LINKING EMBEDDING** ;

23/3,K/26 (Item 17 from file: 248)  
DIALOG(R)File 248:PIRA  
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00312629 Pira Acc. Num.: 10182049 Pira Abstract Numbers: 08-92-PU01623

Title: **THE PERFECT JEKYLL AND HYDE**

Authors: Naylor C

Source: Windows User Feb. 1992, pp 76-80, 82

ISSN: 0964-623X

Publication Year: 1992

Document Type: Journal Article

Language: English

...Abstract: described and compared with WordPerfect 5.1 for DOS. WordPerfect for Windows provides file and **keystroke** compatibility with WordPerfect for DOS in an effort to satisfy existing users of WordPerfect. The Windows version does not make good use of the Windows environment, and does not support **object** linking and **embedding** (OLE). The benefits and drawbacks of the package are highlighted.

...Descriptors: **KEYSTROKE** ;

23/3,K/27 (Item 18 from file: 248)

DIALOG(R)File 248:PIRA

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00303108 Pira Acc. Num.: 10190029 Pira Abstract Numbers: 03-92-00783, 08-92-PT00654

Title: **NEW GENERATION OF BARCODE PRINTERS**

Authors: Anon

Source: Verpack. Berat. no. 9, Sept. 1991, p. 93

ISSN: 0042-4293

Publication Year: 1991

Document Type: Journal Article

Language: German

Abstract: The Model M 8400 desk-top thermo-transfer **printer** from Sato has several novel technical features. **Tags** and labels can be **printed** with a maximum speed of 125mm/sec. **Barcodes**, alpha-numerics and graphics can be **printed** on **paper** or synthetic webs up to 104mm wide. The machine is user-programmable and can be...

23/3,K/28 (Item 19 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00302756 Pira Acc. Num.: 10189356 Pira Abstract Numbers: 08-92-PU00448

Title: **WORD FOR WINDOWS 2.0: GETTING BIGGER ALL THE TIME**

Authors: Campbell G

Source: PC World vol. 9, no. 12, Dec. 1991, pp 91-92

ISSN: 0737-8939

Publication Year: 1991

Document Type: Journal Article

Language: English

Abstract: This preview of Microsoft Corp.'s Word for Windows 2.0 describes the **key** features and improvements in this major upgrade. WinWord 2.0 has easier-to-use features, and excellent graphics tools. The package offers **Object** Linking and **Embedding** (OLE) support and zoomable page layout mode. WinWord 2.0 has the ability to drag...

...Descriptors: **KEY** ; ...

...**OBJECT** LINKING AND **EMBEDDING** ;

23/3,K/29 (Item 20 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00234600 Pira Acc. Num.: 10087128 Pira Abstract Numbers: 08-91-PU02757

**Title: SWITCHING FOR SPEED**

Authors: Anon

Source: Communications vol. 8, no. 7, July 1991, pp 27-29

ISSN: 0266-8009

Publication Year: 1991

Document Type: Journal Article

Language: English

Abstract: Ethernet, hitherto considered adequate for PC interconnection but with network throughput increasing, alternatives such as **Token** Ring of FDDI were until recently the only options. FDDI is expensive and no good ...

... and Kalpana, Diagrams show a conventional network with multiple bridges and the EtherSwitch as a **multi part** bridge.

23/3,K/30 (Item 21 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00227587 Pira Acc. Num.: 9985156 Pira Abstract Numbers: 08-91-PT02335

**Title: JETARRAY LANDS PRINTER**

Authors: Thompson D

Source: Print. World vol. 234, no. 4, 24 Apr. 1991, p. 16

ISSN: 0032-8715

Publication Year: 1991

Document Type: Journal Article

Language: English

...Abstract: with nine heads. The system offers good left hand justification, and six lines an inch **addressing** ; also numbering and **printing bar codes** in any orientation. It **prints on paper** and polythene, cutting out use of labels. Domino systems are used by TV Times, UK...

23/3,K/31 (Item 22 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00200773 Pira Acc. Num.: 9135706 Pira Abstract Numbers: 03-90-00802

**Title: MATERIALS, MARKETS MEAN PRESSURE-SENSITIVE GROWTH**

Authors: Zieske R; Kucsma D

Source: Pap. Film Foil Converter vol. 63, no. 11, Nov. 1989, pp 63-65

ISSN: 0031-1138

Publication Year: 1989

Document Type: Journal Article

Language: English

Abstract: Growth is forecast for pressure-sensitive labels. Market opportunities include plastic packaging containers, off-site **locations** , decoration at blow-moulders, **bar code** labelling, shelf-stable food and direct mail labelling. **Print** developments include increased rotary letterpress **printing** , ultraviolet varnishes, improved web screen printing equipment, metallised paper, thermally-imaged paper. Thermal growth is...

23/3,K/32 (Item 23 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00185612 Pira Acc. Num.: 8629837 Pira Abstract Numbers: 02-89-01493

**Title: MAGNETIC PRINTERS: CATCHING UP WITH EUROPEAN SAVOIR-FAIRE**

Authors: Keller R

Source: ID Syst vol. 9, no. 1, Jan-Feb. 1989, pp 22,24

ISSN: 8750-8702

Publication Year: 1989



Document Type: Journal Article  
Language: English

Abstract: Magnetic **printing** has been around in Europe for years and it is now bringing quality, speed, and a comparatively low purchase **tag** to the North American **bar code** arena. Magnetic **printing** was quickly eclipsed by impact **printing** in the 1970's. **Printing**, however remained the weak link in the data processing chain and in Europe. Bull invested...

...per minute MP-6060, and the 90 page MP-6090, both have the advantage of **printing** on continuous forms which is important for **bar code** applications, price **tags** and distribution stickers.

23/3,K/33 (Item 24 from file: 248)  
DIALOG(R)File 248:PIRA  
(c) 2000 Pira International. All rts. reserv.

00185367 Pira Acc. Num.: 8629592 Pira Abstract Numbers: 02-89-00999  
**Title: PRACTICAL PRINTERS HANDBOOK 1989**  
Authors: Anon  
Source: Sutton Coldfield, UK: Comprint Services, 1988, 104 pp, #3.95 (PM 12978) (5686)  
Publication Year: 1988  
Document Type: Pamphlet  
Language: English

...Abstract: including reminder slips in products, aid increased sales. It is advantageous to offer a complete **printing** service from design to delivery. Presses must be cleaned regularly, and health and safety laws observed. Advice is given on **bar codes**, which are used increasingly. An itemised numerical guide to **pricing** is included, and **printers** are advised to have all orders and instructions in writing. Sources of supply are listed...

23/3,K/34 (Item 25 from file: 248)  
DIALOG(R)File 248:PIRA  
(c) 2000 Pira International. All rts. reserv.

00181447 Pira Acc. Num.: 8511404 Pira Abstract Numbers: 01-89-00555  
**Title: LASER AND INK-JET PRINTER LABELS**  
Authors: Anon  
Source: Labels Labelling vol. 10, no. 5, Sept.-Oct. 1988, p. 5  
ISSN: 0143-2192  
Publication Year: 1988  
Document Type: Journal Article  
Language: English

...Abstract: self-adhesive labels for computer printers and copiers, now also supplies labels for non impact **printers**. Jackstadt GmbH (JAC) uses special **papers** to enhance the **printing** quality of the JAC-Laser-TAB and JAC-Inkjet-TAB. Applications include **address** and price marking labels and coding labels, for example **bar codes**. Apart from standard products, JAC also manufactures to customers' special requests. (Short article).

23/3,K/35 (Item 26 from file: 248)  
DIALOG(R)File 248:PIRA  
(c) 2000 Pira International. All rts. reserv.

00140933 Pira Acc. Num.: 6729067 Pira Abstract Numbers: 02-86-00796  
**Title: ON-SITE PRINTING TECHNOLOGIES**  
Authors: Zaccaria M  
Source: Scan J. vol. 1, no. 4, Third Quarter 1985, pp 32-38  
ISSN: 0749-9752  
Publication Year: 1985  
Document Type: Journal Article

Language: English

Abstract: **Bar** code labels and **tags** can be produced by speciality contractors, but many companies are considering in-house **printing**. The advantages and disadvantages of appropriate current technologies for in-house production are discussed. Formed...

23/3,K/36 (Item 27 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00137482 Pira Acc. Num.: 6554193 Pira Abstract Numbers: 05-85-02168

Title: **A BARCODE-BASED PERSONAL FILING SYSTEM**

Authors: Pickering J A

Source: J. Microcomput. Appl. vol. 8, no. 2, Apr. 1985, pp 157-165

ISSN: 0143-3792

Publication Year: 1985

Document Type: Journal Article

Language: English

Abstract: A **barcode** -based personal filing system which enables the user to file **paper** documents in a way that enables them to be quickly **accessed** by the keywords that the user has personally associated with them is described. In this application **barcodes** are used as the basis for easy input of document identities and keywords to a...

23/3,K/37 (Item 28 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2000 Pira International. All rts. reserv.

00132521 Pira Acc. Num.: 6335387 Pira Abstract Numbers: 03-85-02004

Title: **BAR-CODE PRINTER FROM NUMERIC ARTS**

Authors: Anon

Source: Labels Labelling vol. 7, no. 2, Mar. 1985, p. 47

ISSN: 0143-2192

Publication Year: 1985

Document Type: Journal Article

Language: English

Abstract: The new Zebra demand **printer** from Numeric Arts is designed for industrial environments to produce high quality **bar codes** and alphanumeric labels, tickets and **tags**. Impact matrix **print** technology allows inexpensive plain **paper** label stock to be used. **Bar codes** in nine different symbologies can be produced. The **printer** can be operated directly or remotely from a host computer. (Short article)

23/3,K/38 (Item 1 from file: 323)

DIALOG(R)File 323:RAPRA Rubber & Plastics

(c) 2000 RAPRA Technology Ltd. All rts. reserv.

00559969

TITLE: **AIR BAGGAGE TAG**

AUTHOR(S): Ohno A; Nishizawa T; Iwai A

CORPORATE SOURCE: Oji Yuka Goseishi Co.Ltd.

PATENT NUMBER: US 5395667 A

PATENT DATE: 19950307

PATENT COUNTRY/KIND CODE: US A

APPLICATION NUMBER: US 192698 (US 192698-1994)

APPLICATION DATE: 19940207

PRIORITY NUMBER: JP 928295; JP 9296645

PRIORITY DATE: 19920121; 19920416

JOURNAL ANNOUNCEMENT: 199511 RAPRA UPDATE: 199521

DOCUMENT TYPE: Patent

LANGUAGE: English

SUBFILE: (R) RAPRA

ABSTRACT: The **tag** , which is readable by a **bar code** reader, is composed of a recording layer, a substrate, a pressure-sensitive adhesive layer and release **paper** . The substrate has a laminate structure composed of (A1) a fine void-containing stretched thermoplastic...

...The recording layer is provided on the side of A1 opposite to A2 and has **printed** thereon a **bar code** . The **tag** has high tear strength while exhibiting satisfactory **printability** and therefore, when attached to each piece of air baggage, is not easily torn apart..

Set	Items	Description
S1	1411419	PRINT? OR IMPRINT? OR EMOSS? OR EMBED? OR WATERMARK?
S2	134827	TOKEN? OR AUTHENTICAT?
S3	69005	GLYPH? OR DATAGLYPH? OR BARCODE? OR BAR()CODE? OR OCR OR M-ACHINE()READABLE
S4	4171045	ACCESS? OR SECURITY()DATA OR PRICING OR LEGAL()RESTRICTION? OR RATING? OR LOCATION?
S5	241	(TWO OR 2 OR MULTIPLE OR MULTI OR SECOND) (2N) (PART? ? OR ASPECT? OR ATTRIBUTE?) (S)TOKEN?
S6	1115329	PAPER? OR HARD() (COPY OR COPIES) OR HARDCOP?
S7	1702652	POINTER? OR ADDRESS? OR TAG? ? OR INDICATOR? OR MARKER?
S8	0	PAPER()DOCUMENT()SACHEL?
S9	33	S1(3N) (SOFTWARE()OBJECT?)
S10	330	S1(3N) (SOFTWARE? OR OBJECT?) (S)S6 AND S3
S11	154	S1(3N) (SOFTWARE? OR OBJECT?) (S)S6(S)S3
S12	99	S11 AND (S2 OR S4 OR S7)
S13	1	S11(S)S2
S14	3	S11 AND S2
S15	28	S11(S) (S4 OR S7)
S16	49312	S1(3N)S6
S17	1	S9 AND S6
S18	49261	S16(S)S6
S19	98	S18(S)S2
S20	1	S19 AND S3
S21	13	S16(5N)S2
S22	98	S16(S)S2
S23	13	S22(S) (S4 OR S7)
S24	29	S13 OR S14 OR S17 OR S20 OR S21 OR S23
S25	25	RD (unique items)
S26	20	S25 NOT PY>1997
S27	20	S26 NOT PD>971124
File	88:Gale Group Business A.R.T.S. 1976-2000/Jan 27	
	(c) 2000 The Gale Group	
File	15:ABI/INFORM(R) 1971-2000/Jan 26	
	(c) 2000 Bell & Howell	
File	16:Gale Group PROMT(R) 1990-2000/Jan 27	
	(c) 2000 The Gale Group	
File	9:Business & Industry(R) Jul/1994-2000/Jan 27	
	(c) 2000 Resp. DB Svcs.	
File	13:BAMP 2000/Jan W3	
	(c) 2000 Resp. DB Svcs.	
File	734:Dayton Daily News Oct 1990- 2000/Jan 26	
	(c) 2000 Dayton Daily News	
File	810:Business Wire 1986-1999/Feb 28	
	(c) 1999 Business Wire	
File	623:Business Week 1985-2000/Jan W4	
	(c) 2000 The McGraw-Hill Companies Inc	
File	647:CMP Computer Fulltext 1988-2000/Jan W3	
	(c) 2000 CMP	
File	98:General Sci Abs/Full-Text 1984-1999/Oct	
	(c) 1999 The HW Wilson Co.	
File	148:Gale Group Trade & Industry DB 1976-2000/Jan 27	
	(c)2000 The Gale Group	

27/3,K/1 (Item 1 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

04273929 SUPPLIER NUMBER: 19383794 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**How will we pay on the Internet?(commerce on the Internet)**  
McAndrews, James  
Consumers' Research Magazine, v80, n4, p29(5)  
April, 1997  
ISSN: 0095-2222 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3936 LINE COUNT: 00313

... theft of money--such as vaults, wallets, and common-sense security precautions--and devices which **authenticate** money--such as **watermarks** , specially **printed paper** , passwords, telephone authorization, and signatures--play in other forms of money.  
Possible Payment Options  
There...

27/3,K/2 (Item 2 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

03984253 SUPPLIER NUMBER: 18442434  
**Procedural issues.(Eleventh Survey of White Collar Crime)**  
Franks, Christopher; Gelber, Emily R.; Minifie, Margaret C.; Murphy, Cornelius M.; Ryan, Robyn Pforr  
American Criminal Law Review, 33, n3, 1079-1122  
Spring, 1996  
ISSN: 0164-0364 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 28988 LINE COUNT: 02333

... hearsay rule); United States v. Farris, 517 F.2d 226, 227-29 (7th Cir.) (self-**authenticated** computer printouts of tax records certified by Secretary of the Treasury admissible public records), cert...

...Ga. Ct. App. 1990) (GA. Code Ann. (sections) 24-3-17(b) provides for self-**authentication** where the document sought to be admitted was obtained from a computer terminal lawfully connected...

...F.2d 220, 223 (4th Cir. 1990) (refusing to require a witness from the physical **location** of a public agency's mainframe computer every time data from that computer must be...

27/3,K/3 (Item 3 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

03734576 SUPPLIER NUMBER: 17431854 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Computer technology helps win cases.(Courts in the 21st Century) (Cover Story)**  
Rediker, J. Michael  
Trial, 31, n10, 26(5)  
Oct, 1995  
DOCUMENT TYPE: Cover Story ISSN: 0041-2538 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2774 LINE COUNT: 00225

... respective monitors (and may compare it with a hard copy) while the document is being **authenticated** and while any objections are being ruled on.

After the document is admitted, the judge...then generate a bar-code list, and other software can print the bar codes on **paper** or peel-off labels. We paste **bar codes** of pages we intend to use into our witness examination outlines. Using a **bar -code** reader pen, the attorney can stand at the podium far from the computer, swipe the **bar code** , and call

up the desired image.

Most well-designed litigation support packages now allow search...

27/3,K/4 (Item 4 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
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03645699 SUPPLIER NUMBER: 17381864 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Meister Eckhart: Werke, 2 vols. (book reviews)**  
Margetss, John  
Medium Aevum, v64, n1, p165(2)  
Spring, 1995  
DOCUMENT TYPE: review ISSN: 0025-8385 LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 819 LINE COUNT: 00064

TEXT:

...and treatises and a small selection of his Latin writings is a masterpiece of compact **printing** on India **paper**. All the texts are provided with a facing modern German translation. The edition contains the ...

...provided. Each text is provided with the same informational scheme: the complete manuscript tradition, the **authentication** of the text as part of the Eckhart corpus, other editions and references to the...

...has wished to concentrate interest on central concepts. References to secondary literature attempt to give **access** to earlier discussions of the problems concerned. The commentary section opens with a general survey...

...is followed by a general discussion of the editorial history of the texts, and their **authentication**. The German and Latin works are prefaced by general discussions concerning their manuscript tradition, the...

27/3,K/5 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
(c) 2000 Bell & Howell. All rts. reserv.

01386565 00-37552  
**Making payments on the Internet**  
McAndrews, James J  
Business Review (Federal Reserve Bank of Philadelphia) PP: 3-14 Jan/Feb 1997  
ISSN: 0007-7011 JRNL CODE: FRB  
WORD COUNT: 5504

...TEXT: the theft of money-such as vaults, wallets, and commonsense security precautions-and devices that **authenticate** money-such as **watermarks**, specially **printed paper**, passwords, telephone authorization, and signatures-play in other forms of money.

APPROACHES TO INTERNET PAYMENTS...

27/3,K/6 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
(c) 2000 Bell & Howell. All rts. reserv.

00957529 96-06922  
**Digital Products pumps out new print servers**  
Watt, Peggy  
Network World v11n50 PP: 27 Dec 12, 1994  
ISSN: 0887-7661 JRNL CODE: NWW  
WORD COUNT: 255

ABSTRACT: In December 1994, Digital Products Inc. will ship 6 new NetPrint

and JetXPrint **paperback** -size multiprotocol **print** servers for **token** -ring networks. The models are available for Novell Inc. NetWare and Banyan Systems Inc. VINES...

TEXT: Digital Products, Inc. this month will ship a family of **paperback** -size multiprotocol **print** servers for **token** -ring networks.

The six new NetPrint and JetXPrint models are available for Novell, Inc. NetWare...

27/3,K/7 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
(c) 2000 Bell & Howell. All rts. reserv.

00889880 95-39272  
**600-dpi printer wars**  
Crotty, Cameron  
Macworld vlln9 PP: 35-36 Sep 1994  
ISSN: 0741-8647 JRNL CODE: MAW  
WORD COUNT: 336

...TEXT: 1060 also has two interface slots that users can fill with QMS's Ethernet or **Token** Ring cards. QMS's **printer** handles **paper** up to A4 or legal size, it ships with 8MB of RAM (expandable to 64MB...

27/3,K/8 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
(c) 2000 Bell & Howell. All rts. reserv.

00384670 88-01503  
**Computers in the Trust Department Improve Business**  
Anonymous  
Trusts & Estates vl26n12 PP: 38-39 Dec 1987  
ISSN: 0041-3682 JRNL CODE: TRE

...ABSTRACT: 1. display of certificates of deposit rates with a single command, 2. a choice of **printer** and **paper** type, and 3. generation of a Schedule K-1 information letter. The system used in...

... moving through several other configurations, the system now is an upgraded AutoTrust/AT with a **token** -ring network. Other attributes have been added for word processing, stock **rating**, spreadsheets, a will-file database, and a dividend paying system. Applications planned for the future ...

27/3,K/9 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2000 The Gale Group. All rts. reserv.

04394490 Supplier Number: 46446312 (USE FORMAT 7 FOR FULLTEXT)  
**Interface workgroup 24-ppm laser supports IPDS and PCL input**  
Computing Canada, p043  
June 6, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 84

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
...unveiled the 9624 AFP printer, a 24-page-per-minute large format laser with advanced **paper** -handling capabilities. The **printer** features **Token** Ring and Ethernet local-area network interfaces capable of supporting both IPDS and PCL input.

27/3,K/10 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
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04212157 Supplier Number: 46161507 (USE FORMAT 7 FOR FULLTEXT)  
**QMS Printer Protocol Converters Integrate Mainframe/Midrange and LAN Print Services**  
News Release, pN/A  
Feb 20, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 642

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...of the printer and then to the IBM host system via Coax, Twinax, Ethernet or **Token** -ring connections. Utilizing the print converters, IBM mainframe and midrange systems can print crisp, easy to read documents on convenient cut sheet **paper** from shared network laser printers, rather than the old, dedicated line printers. i-data Printer...

...printer protocol converters provide direct LAN connectivity for printing, with the ida PrintServer 13 supporting **Token** -Ring networks, and the ida PrintServer 14 supporting Ethernet networks. Both ida PrintServer models enable AFP/IPDS printing over TCP/IP connections, and support duplexing, **bar codes** and graphics printing. The i-data ida ReRouter software is an OS/2-based transaction...

...a friendly graphical user interface, and supports up to 32 print jobs simultaneously. The ida **PrintServer** and ida ReRouter **software** can be used in conjunction to enable easy and cost effective management of AFP/IPDS...

...printers are based on QMS Crown and CrownNet technologies. Crown multitasking technology delivers fast document **print** throughput, **software** loadable upgradability, automatic compatibility with popular printing languages, and seamless connectivity to virtually any network...

...network protocol support for multiple users and CrownAdmin advanced remote printer management capabilities. QMS laser **printers** incorporate SLS (**Software** Loadable System) technology for easy and cost-effective addition of system upgrades and enhancements via...

27/3,K/11 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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04143556 Supplier Number: 46049451 (USE FORMAT 7 FOR FULLTEXT)  
**Tektronix Pushes Ease-of-Use and Low Cost of Operation With Its New Phaser 550 Color Laser Printer**  
News Release, pN/A  
Jan 8, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1126

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...to utilize World Wide Web technology to provide quick and easy printer management and information **access** for those using a network. Rather than installing another proprietary software interface to learn and...

...or external hard disk. Optional network cards provide support for EtherTalk, Novell NetWare, TCP/IP, **TokenTalk** and LocalTalk protocols. All ports are simultaneously active with automatic print queue management. The Phaser 550 color printer **prints** on common office **papers** or Tektronix transparencies, including full images on legal size paper. Optional upgrades to the standard configuration provide **access** to 1200 dpi,



collation and job pipelining, as well as a new checkprint feature.  
Checkprint...

...providing innovative network connectivity solutions for our customers.  
Customers who have existing PhaserShare Ethernet or **Token** Ring cards for  
the Phaser 340 and the Phaser 540 can upgrade to add NDS...

27/3,K/12 (Item 4 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
(c) 2000 The Gale Group. All rts. reserv.

04059717 Supplier Number: 45908399 (USE FORMAT 7 FOR FULLTEXT)  
**Too Many Directories And Too Many Applications**  
Network Computing, p119  
Nov 1, 1995  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1478

... two NOSes: NetWare and NT. These NOS directories hold users' names  
and passwords, and provide **authentication** services. File and print  
services provided by the NOSes trust these directory services to credential  
...

...such as the user's phone number. Some store information on non-user  
objects like **printers** (type of **paper**, **location** and so on).  
When the enterprise's users and all this extra information are  
included...

27/3,K/13 (Item 5 from file: 16)  
DIALOG(R) File 16:Gale Group PROMT(R)  
(c) 2000 The Gale Group. All rts. reserv.

03919282 Supplier Number: 45659475 (USE FORMAT 7 FOR FULLTEXT)  
**HP INTRODUCES WORLD'S FASTEST, MOST ADVANCED COLOR INK JET PRINTERS FOR THE  
OFFICE**  
News Release, pN/A  
July 10, 1995  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1495

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:  
HP INTRODUCES WORLD'S FASTEST, MOST ADVANCED COLOR INK JET PRINTERS FOR THE  
OFFICE Performance, **Print** Quality, **Paper** Handling and Networking  
Features Redefine Corporate Inkjet Printing PALO ALTO, CA, July 10, 1995 --  
Hewlett...

...cost of each page by as much as 50 percent for both black and color.  
**Paper** Handling The **printers** ' flexible and convenient **paper** -handling  
capabilities are designed for the demands of shared workgroup environments.  
The DeskJet 1600C and...  
...1600C and 1600CM printers are easy to attach directly to a network for  
faster performance, **location** flexibility, remote manageability and low  
cost per user. The DeskJet 1600CM printer comes with a environments.  
JetDirect cards also are available for **Token** Ring networks. The printer  
gives users status messages remotely when it is attached to a...

...when the printer needs attention, with messages such as "change yellow  
ink cartridge" or "add **paper** ." The **printer** also will stop printing  
automatically if any cartridge runs out of ink. Languages and Memory...

27/3,K/14 (Item 1 from file: 647)  
DIALOG(R) File 647:CMP Computer Fulltext

(c) 2000 CMP. All rts. reserv.

01070676 CMP ACCESSION NUMBER: NWC19951101S0042

**Too Many Directories And Too Many Applications** (In The Middle)

Bruce Robertson

NETWORK COMPUTING, 1995, n 614, PG119

PUBLICATION DATE: 951101

JOURNAL CODE: NWC LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Columnists

WORD COUNT: 1482

... two NOSes: NetWare and NT. These NOS directories hold users' names and passwords, and provide **authentication** services. File and print services provided by the NOSes trust these directory services to credential...

...such as the user's phone number. Some store information on non-user objects like **printers** (type of **paper**, **location** and so on)

When the enterprise's users and all this extra information are included...

27/3,K/15 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2000 The Gale Group. All rts. reserv.

09739927 SUPPLIER NUMBER: 19769176 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Fighting check fraud with technology.**

Klein, Dan

Credit Union Executive, v37, n4, p42(3)

July-August, 1997

ISSN: 0011-1058 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1628 LINE COUNT: 00136

... genuine watermark. The watermark is actually milled into the paper when it is manufactured, not **printed** on the **paper**. To **authenticate**, just hold the document to the light, and you see the watermark clearly. This isn...

27/3,K/16 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2000 The Gale Group. All rts. reserv.

08911735 SUPPLIER NUMBER: 18540151

**Managing records in e-mail systems. (Electronic Communication and Networks)**

Government Finance Review, v12, n3, p64(2)

June, 1996

ISSN: 0883-7856 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2123 LINE COUNT: 00180

... File Records in Existing Manual Systems. One option for storing e-mail records is to **print** them on **paper** and file them in a manual filing system. This option is easy to implement, especially...

...and an environmental concern). If this option is used, it is important to print all **address**, recipient, distribution, transmission, and receipt information needed for **authentication** with the content of the messages.

Design an Electronic Filing System. Another alternative is to...

27/3,K/17 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2000 The Gale Group. All rts. reserv.

07801649 SUPPLIER NUMBER: 16808652 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Tektronix brings fast, inexpensive color output to the network. (Tektronix**

Inc's Phaser 340 color laser printer) (Hardware Review) (Evaluation)  
Strom, David  
InfoWorld, v17, n15, p87(1)  
April 10, 1995  
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 578 LINE COUNT: 00041

...ABSTRACT: Macintosh, Windows and Unix systems, and has a single slot for an AppleTalk, Ethernet or Token Ring card. Its print quality on standard paper is excellent, and set-up is quick and easy.

27/3,K/18 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2000 The Gale Group. All rts. reserv.

06743322 SUPPLIER NUMBER: 14279087 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
OHIO AWARDS LEE DATA AN ESTIMATED \$6.4 MILLION CONTRACT TO PROVIDE  
NETWORKING CONTROLLERS AND PERIPHERALS FOR THE DEPT. OF HUMAN SERVICES  
PR Newswire, p1109MN011  
Nov 9, 1993  
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 427 LINE COUNT: 00038

... Ohio include the Series 4000 Network Controllers which allow full network connectivity providing SNA/SDLC, Token -Ring and X.25 interfaces. The controllers also provide host access from both IBM-compatible and ASCII devices. Lee Data's color display offers IBM compatibility, superior ergonomics, expanded printer support, ALICE(TM) desktop accessories, and extended Vital Product Data support for efficient network management. The printers chosen by the state feature advanced paper handling and print functions, at a wide range of print speeds.

I.I.S. Intelligent Information Systems Limited...

27/3,K/19 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2000 The Gale Group. All rts. reserv.

06716738 SUPPLIER NUMBER: 14422094 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Word 6 heralds new era of automation: provides full support for OLE 2.0.  
(Microsoft Corp.'s Word for Windows 6.0 word processing software,  
Object Linking and Embedding 2.0) (Software Review) (First Look)  
(Evaluation)  
Strehlo, Kevin  
InfoWorld, v15, n40, p1(2)  
Oct 4, 1993  
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1156 LINE COUNT: 00087

...support for OLE 2.0. (Microsoft Corp.'s Word for Windows 6.0 word processing software, Object Linking and Embedding 2.0) (Software Review) (First Look) (Evaluation)

... s 12 sets of related options is as easy as finding a section in a paper notebook by its tab. Working through all 12 sets via ordinary dialog boxes would require...

27/3,K/20 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2000 The Gale Group. All rts. reserv.

06408089 SUPPLIER NUMBER: 13508070 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
New QMS 4525 Print System outputs and sorts 45 ppm. (pages per minute)  
(Brief Article) (Product Announcement)  
Rothenberg, Matthew

MacWEEK, v7, n11, p6(1)

March 15, 1993

DOCUMENT TYPE: Product Announcement

ISSN: 0892-8118

LANGUAGE:

ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 326 LINE COUNT: 00024

... parallel interfaces. Users will be able to purchase two additional network interfaces for Ethernet or **token** ring.

The 4525 **Print** System's **paper** -handling capabilities include a print duplexer; n-Up, a tool for printing multiple-page images...

Set	Items	Description
S1	120670	PRINT? OR IMPRINT? OR EMOSS? OR EMBED? OR WATERMARK?
S2	12120	TOKEN? OR AUTHENTICAT?
S3	10041	GLYPH? OR DATAGLYPH? OR BARCODE? OR BAR()CODE? OR OCR OR M- ACHINE()READABLE
S4	416283	ACCESS? OR SECURITY()DATA OR PRICING OR LEGAL()RESTRICTION? OR RATING? OR LOCATION?
S5	10	(TWO OR 2 OR MULTIPLE OR MULTI OR SECOND) (2N) (PART? ? OR A- SPECT? OR ATTRIBUTE?) (S)TOKEN?
S6	53298	PAPER? OR HARD() (COPY OR COPIES) OR HARDROP?
S7	129979	POINTER? OR ADDRESS? OR TAG? ? OR INDICATOR? OR MARKER?
S8	4635	S1(3N)S6
S9	74	S8 AND S2
S10	12	S9(S) (S3 OR S4 OR S7)
S11	1	S9 AND S3 AND (S4 OR S7)
S12	1	S5 AND S1 AND S6
S13	14	S10 OR S11 OR S12
S14	14	RD (unique items)
S15	8	S14 NOT PY>1997
S16	8	S15 NOT PD>971124
S17	0	PAPER()DOCUMENT()SATCHEL?
S18	191	S6(3N)S1(3N) (SOFTWARE? OR OBJECT?)
S19	1	S18(S)S2

File 621:Gale Group New Prod.Annou.(R) 1985-2000/Jan 27  
(c) 2000 The Gale Group

File 278:Microcomputer Software Guide 1999/Dec  
(c) 1999 Reed Elsevier Inc.

File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS. 85-1999/DEC  
(c)1999 INFO.SOURCES INC

16/3,K/1 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01428080 Supplier Number: 46719622 (USE FORMAT 7 FOR FULLTEXT)  
**Novell Extends Its NEST Product Offerings to Include Office-Specific  
Software Development Kit**  
PR Newswire, p917LATU056  
Sept 17, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 826

... software developer, to deliver these advantages based on feedback from original equipment manufacturers (OEMs) of **hard-copy** output products.

By **embedding** the NEST Office SDK into printing devices, manufacturers provide users with **access** to the latest in Novell NetWare and IntranetWare functionality and to Novell Directory Services(TM...

...helps provide business users with an enduring competitive edge by speeding network management and simplifying **access** to network information and resources.

"The development of the NEST Office SDK v1.0 brings...

16/3,K/2 (Item 2 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01414598 Supplier Number: 46614039 (USE FORMAT 7 FOR FULLTEXT)  
**A.D. TECH signs licensing-and-supply agreement with James River Corp.;**  
**James River purchases North American patent rights and licenses A.D. TECH**  
**to use 24 James River microwave related patents.**  
Business Wire, p08081329  
August 8, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 600

... patterned, vacuum-metallized coatings for a variety of energy-management applications -- including electronics, retroreflective films, **authentication** security holograms, electronic article surveillance **tags**, electrostatic discharge materials and microwave packaging films, using the company's proprietary metallization process, Pattern...

16/3,K/3 (Item 3 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01333607 Supplier Number: 46053445 (USE FORMAT 7 FOR FULLTEXT)  
**TEKTRONIX PUSHES EASE-OF-USE AND LOW COST OF OPERATION WITH ITS NEW  
PHASER(R) 550 COLOR LASER PRINTER**  
PR Newswire, p0108SEM004  
Jan 8, 1996  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1236

... All ports are simultaneously active with automatic print queue management.

The Phaser 550 color printer **prints** on common office **papers** or Tektronix transparencies, including full images on legal size paper. Optional upgrades to the standard configuration provide **access** to 1200 dpi, collation and job pipelining, as well as a new checkprint feature. Checkprint...

16/3,K/4 (Item 4 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01333542 Supplier Number: 46049451 (USE FORMAT 7 FOR FULLTEXT)  
**Tektronix Pushes Ease-of-Use and Low Cost of Operation With Its New Phaser 550 Color Laser Printer**  
News Release, pN/A  
Jan 8, 1996  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1126

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...to utilize World Wide Web technology to provide quick and easy printer management and information **access** for those using a network. Rather than installing another proprietary software interface to learn and...

...or external hard disk. Optional network cards provide support for EtherTalk, Novell NetWare, TCP/IP, **TokenTalk** and LocalTalk protocols. All ports are simultaneously active with automatic print queue management. The Phaser 550 color printer **prints** on common office **papers** or Tektronix transparencies, including full images on legal size paper. Optional upgrades to the standard configuration provide **access** to 1200 dpi, collation and job pipelining, as well as a new checkprint feature. Checkprint...

...providing innovative network connectivity solutions for out customers. Customers who have existing PhaserShare Ethernet or **Token** Ring cards for the Phaser 340 and the Phaser 540 can upgrade to add NDS...

16/3,K/5 (Item 5 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01297978 Supplier Number: 45659475 (USE FORMAT 7 FOR FULLTEXT)  
**HP INTRODUCES WORLD'S FASTEST, MOST ADVANCED COLOR INK JET PRINTERS FOR THE OFFICE**  
News Release, pN/A  
July 10, 1995  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1495

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

HP INTRODUCES WORLD'S FASTEST, MOST ADVANCED COLOR INK JET PRINTERS FOR THE OFFICE Performance, **Print** Quality, **Paper** Handling and Networking Features Redefine Corporate Inkjet Printing PALO ALTO, CA, July 10, 1995 -- Hewlett...

...cost of each page by as much as 50 percent for both black and color. **Paper** Handling The **printers** ' flexible and convenient **paper** -handling capabilities are designed for the demands of shared workgroup environments. The DeskJet 1600C and...

...1600C and 1600CM printers are easy to attach directly to a network for faster performance, **location** flexibility, remote manageability and low cost per user. The DeskJet 1600CM printer comes with a environments. JetDirect cards also are available for **Token** Ring networks. The printer gives users status messages remotely when it is attached to a...

...when the printer needs attention, with messages such as "change yellow ink cartridge" or "add **paper** ." The **printer** also will stop printing automatically if any cartridge runs out of ink. Languages and Memory...

16/3,K/6 (Item 6 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01216106 Supplier Number: 43756838 (USE FORMAT 7 FOR FULLTEXT)  
**NEXT-GENERATION HP JETDIRECT NETWORK INTERFACES SET NEW PRICE/PERFORMANCE  
STANDARD**

News Release, pl  
April 5, 1993  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1238

... HP JetDirect  
cards now include SNMP compliance, which lets standard SNMP network-  
management applications report **printer** -status information, including  
**PAPEROUT** , **TONERLOW** and the **ON-LINE/OFF-LINE indicator** .

Novell NetWare users also can take advantage of two new  
utilities, JetAdmin and JetPrint, that...

16/3,K/7 (Item 7 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01188688 Supplier Number: 42862731 (USE FORMAT 7 FOR FULLTEXT)  
**LANIER'S INFORMATION MANAGEMENT SYSTEMS SOLVE THE PAPER CRUNCH**  
News Release, pl  
March 30, 1992  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1106

... for Document  
Systems, Lanier. "The new IMS 2080/Plus and IMS 2020 give users  
faster **access** , easier networking and more efficient distribution  
capabilities. The combination of the two products provides an...

...where an operator identifies and  
indexes them. Automated indexing can be added with IMS 2020 **bar**  
**code**  
and **OCR** modules. The digital images are then written to the optical  
disk for storage.

When users...  
...image, using the Post A Note  
feature. A laser printer produces an original-like, plain **paper**  
**print** .

Lanier's IMS 2080/Plus also turns the costly, time-consuming and  
sometimes impossible job...

...where an operator identifies and  
indexes them. Automated indexing can be added with IMS 2020 **bar**  
**code**  
and **OCR** modules. The digital images are then written to the optical  
disk for storage.

When users...

...image, using the Post A Note  
feature. A laser printer produces an original-like, plain **paper**  
**print** .

With the IMS 2020 any document can be pin-pointed, displayed, printed  
or faxed in...



...Manager and 3COM Corporation.

The systems are independent of the network topology which may include **Token** Ring, Ethernet or AT & T Starland.

The Lanier IMS remote option allows users to send and receive documents from customer's satellite offices or any off-site **location**

"Lanier's IMS 2080/Plus and IMS 2020 are designed to be flexible, easy-to...

16/3,K/8 (Item 1 from file: 256)

DIALOG(R)File 256:SOFTBASE:REVIEWS,COMPANIES&PRODS.

(c)1999 INFO.SOURCES INC. All rts. reserv.

00089508 DOCUMENT TYPE: Review

PRODUCT NAMES: **FormsXpress (304581)**

TITLE: **How sweet it is**

AUTHOR: Prescott, Walker

SOURCE: AS/400 Systems Management, v24 n3 p51(2) Mar 1996

ISSN: 1070-6097

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 960730

...to a heftier bottom line. FormXpress forms processing software is used to reduce use of **paper** forms, which were determined to be too expensive. The product provides a full design feature set and flexibility for data merge. FormXpress produces **multiple -party** invoices, custom configured purchase orders, bills of lading, bar-code labels, and payroll checks. A further advantage is the ability to **print** across a **token** -ring network. **Printing** up to 500 invoices a day electronically without application reengineering to a BPCS manufacturing system...

...as compared to manual forms processing, says the company's business systems manager. A distributed **printing** feature **prints** forms and labels as needed on various departmental laser **printers**

19/3,K/1 (Item 1 from file: 621)  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2000 The Gale Group. All rts. reserv.

01984687 Supplier Number: 55922234 (USE FORMAT 7 FOR FULLTEXT)  
**Entrust Technologies' E-Business Solutions Chosen by NetEx, LLC For Secure  
Document Delivery Service over the Internet.**  
Business Wire, p1195  
July 6, 1999  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 679

... A package is created easily by either attaching any electronic  
file, or scanning in any **hard copy** , or **printing** directly to the NetEx  
virtual **printer** driver. Once created, the NetEx **software** secures and  
sends the encrypted package directly to the NetEx server. The NetEx server  
then processes encryption and certificate security, **authentication** ,  
tracking, confirmation, and archival of all documents. NetEx informs the  
recipient via e-mail, fax...

Set	Items	Description
S1	1257394	PRINT? OR IMPRINT? OR EMBOSS? OR EMBED? OR WATERMARK?
S2	120465	TOKEN? OR AUTHENTICAT?
S3	50850	GLYPH? OR DATAGLYPH? OR BARCODE? OR BAR()CODE? OR OCR OR M-ACHINE()READABLE
S4	3449209	ACCESS? OR SECURITY()DATA OR PRICING OR LEGAL()RESTRICTION? OR RATING? OR LOCATION?
S5	241	(TWO OR 2 OR MULTIPLE OR MULTI OR SECOND) (2N) (PART? ? OR ASPECT? OR ATTRIBUTE?) (S)TOKEN?
S6	1418997	PAPER? OR HARD() (COPY OR COPIES) OR HARDCOP?
S7	1504765	POINTER? OR ADDRESS? OR TAG? ? OR INDICATOR? OR MARKER?
S8	40332	S1(3N)S6
S9	0	S5(S)S8
S10	3	S5 AND S8
S11	76	S8 AND S2 AND S3 AND S4 AND S7
S12	9	S1(S)S5
S13	6	S5(S)S6
S14	87	S10 OR S12 OR S13 OR S11
S15	69	RD (unique items)
S16	58	S15 NOT PY>1997
S17	57	S16 NOT PD>971124.
S18	85	S8(S)S3 AND S4 AND S7
S19	9	S18 AND S2
S20	15	S8(S)S4 AND S7 AND S2 AND S3
S21	5	S8(S)S7 AND S2 AND S3 AND S4
S22	33	S10 OR S12 OR S13 OR S19 OR S20 OR S21
S23	27	RD (unique items)
S24	24	S23 NOT PY>1997
S25	24	S24 NOT PD>971124

File 275:Gale Group Computer DB(TM) 1983-2000/Jan 27  
(c) 2000 The Gale Group

File 47:Gale Group Magazine DB(TM) 1959-2000/Jan 27  
(c) 2000 The Gale group

File 75:TGG Management Contents(R) 86-2000/Jan W3  
(c) 2000 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2000/Jan 27  
(c) 2000 The Gale Group

File 16:Gale Group PROMT(R) 1990-2000/Jan 27  
(c) 2000 The Gale Group

File 624:McGraw-Hill Publications 1985-2000/Jan 27  
(c) 2000 McGraw-Hill Co. Inc

File 484:Periodical Abstracts Plustext 1986-1999/Nov W3  
(c) 1999 Bell & Howell

File 613:PR Newswire 1999-2000/Jan 27  
(c) 2000 PR Newswire Association Inc

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 141:Readers Guide 1983-1999/Jul  
(c) 1999 The HW Wilson Co

File 239:Mathsci(R) 1940-2000/Feb  
(c) 2000 American Mathematical Society

File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS

File 696:DIALOG Telecom. Newsletters 1995-2000/Jan 26  
(c) 2000 The Dialog Corp.

File 553:Wilson Bus. Abs. FullText 1982-1999/Sep  
(c) 1999 The HW Wilson Co

25/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2000 The Gale Group. All rts. reserv.

01853025 SUPPLIER NUMBER: 17424956 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Hammering on. (12 dot-matrix printers reviewed) (includes related articles on Editors' Choices, pricing information, performance tests) (12th Annual Printer Blockbuster) (Hardware Review) (Evaluation)**  
Dyszel, William  
PC Magazine, v14, n19, p285(6)  
Nov 7, 1995  
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4035 LINE COUNT: 00313

**Hammering on. (12 dot-matrix printers reviewed) (includes related articles on Editors' Choices, pricing information, performance tests) (12th Annual Printer Blockbuster) (Hardware Review) (Evaluation)**  
... form letters at ultrahigh speeds.  
At this point, each dot matrix printer that is introduced **addresses** a very specific market niche, and the comprehensive categorical comparisons that are typically applied to...

...a bit rough because of the 9-pin pattern. There is also a zoom feature, **accessed** through the Windows driver, that lets you reduce the size of your output to 80...dial uses a rotating wheel on the control panel to control the position of the **paper** and **printhead**, allowing you to fine-tune the alignment of the printer for filling in preprinted forms. This dial also gives you 50 or 60 settings, **accessed** through menus, that allow you to pick a font, select a port, set tabs, and so on. AMT uses ASIC technology to improve the control of **printhead** firing and **paper** handling. Paper can be parked and the paper source can be changed with the push...

...bankbook. Standard features include Epson and IBM emulations, parallel and serial ports, a 24-wire **printhead**, seven **bar codes**, **paper** -form-park, and zero-tear logic. An optional \$525 100-sheet sheet feeder is available...

...feed envelope. The PP408 will then cut, print, stack, and collate each with its properly **addressed** counterpart. No other impact printer we covered offers this level of automation.

Each PSI model...IBM emulations are standard, along with Printronix and Mannesmann Tally's proprietary emulations and Postnet **bar codes**. Automatic port switching allows you to connect simultaneously to both the Centronics parallel port and...

...which keeps edges sharp and patterns clear--a useful feature when printing multipart forms and **bar codes**. Fourteen types of **bar codes** are built in, including Postnet and UPC.

CIE offers another line printer, the CI-500e...

...emulations are included, as are Printronix and ANSI protocols and more than 20 scalable, rotatable **bar code** types, including Postnet.

They may be past their day in the sun, but dot matrix...quick look at each of the models, with available add-ons and prices, and manufacturers' **addresses** and phone numbers.

AMT Accel-635

List price: \$1,695; 250-page sheet feeder, \$349...

...Torrance, CA 90509; 800-289-3776.

Genicom 4842

List price: \$8,290; Ethernet adapter, \$445; **Token** -Ring, \$845; TCP/IP adapter, \$875; external twinaxial/coaxial adapter, \$725; 50-million-character ribbon...

...an output speed of 735 lines per minute (lpm) in draft mode, close to its **rating** of 800 lpm. The Mannesmann Tally T6045 also performed close to its rated speed; we...

...635d cranked out 220 cps in draft mode, living up to its quick 240-cps **rating** . The Epson LQ-300 produced output at 132 cps in draft mode, acceptably close to its 200-cps **rating** .

How We Tested

The Print Speed test measures a printer's speed in producing ten...

25/3,K/2 (Item 2 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01805565 SUPPLIER NUMBER: 16280777 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
IFRA '94 recap: Europe adopts Windows, new systems abound, retrieving images. (includes related articles on Partner von dem Druck's innovative drum scanner and an acknowledgment to Apple for the use of its QuickTake digital camera)  
Joner, Urban; Karsh, Arlene E.; Neeff, David; Tribute, Andrew  
Seybold Report on Publishing Systems, v24, n5, p3(55)  
Nov 17, 1994  
ISSN: 0736-7260 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 44978 LINE COUNT: 03568

... for the future? A good candidate was ManMedia Mount from Sweden, providing very high-speed **access** to sql databases and the management of all input into a system.

Editorial, Classified and...text editor similar to that of Atex's traditional J11 system (XyWrite for Windows) and **access** to EdPage for pagination. Prestige is ...building functions supplied with the program.

Basic functionality. With Word 6.0, a user can **access** system files, the system browser and the wire browser (which uses the Atex Communications Manager...

...directory. In addition, Word functions are customized with a special tool palette, which can be **accessed** by the mouse or hot keys.

Xtending functionality. Layouts and styles from Xpress can be...

...a story to another user's queue. Stories that are sent are displayed with a **marker** in the wire browser.

Based on our first glimpse of Prestige, the program looks promising... top of the screen, as we described in our Nexpo coverage, includes all the different **tags** that could be assigned to the article text, e.g., head, subhead, writer, author credit...

...text, cross-heading, captions, picture credit, etc.

The new floating palette contains buttons for selecting **tags** , scaling the screen view and for the following:

- \* Save to save the text in the NewsEdit relational database.
- \* **Tag** edit to edit the **tags** or build new ones.
- \* Ignore to ignore the last function performed.
- \* Measure to send the...criteria can be attached to each user's

log-on. General search criteria can be **accessed** from the server. The new software supports drag-and-drop functions to move files from...

...leaving manual placement as the most efficient method to dummy the paper. The software can **access** the ad database for the list of ads, the attributes such as color requirements, and...of page templates, shapes and styles, text files and illustrations. Five additional software modules are **accessible** by users for processing and creating pages:

- \* DxVisu, a database search module, allows users to...

...defining graphic boxes with tints, rules, etc., and an optional tool for setting up style **tags** and defining the typographic parameters they establish.

- \* DxEdit is a wysiwyg editing tool.

\* DxCouL, a page makeup module, lets the user **access** prepared layouts and then flow text and position illustrations and photographs in them. It allows...the more difficult parts of text editing, on- screen composition and printing are still being **addressed** , one obstacle at a time.

by subject matter, or it can be processed with **ocr** software into searchable text. In operation, the library can be connected to a prepress system...comment on the efficiency of the search engine compared with its simplicity.

The Library Solution **pricing** starts at just under Pound sterling 30,000 for a Sparcstation-20 server, one dedicated...

...Based on a proprietary database manager, the library software is intended to provide cross-platform **access** and supports Mac, Windows and os/2 clients.

Graphik Archiv is installed at three sites...

25/3,K/3 (Item 3 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01648906 SUPPLIER NUMBER: 15024351  
**Exact and approximate models to obtain average throughput of the FDDI MAC protocol - Part I: symmetric systems. (Technical)**  
Koon Seng Lim; Deng, Robert Huijie; Ranai, Kisenchand  
Computer Communications, v17, n2, p83(11)  
Feb, 1994  
DOCUMENT TYPE: Technical ISSN: 0140-3664 LANGUAGE: ENGLISH  
RECORD TYPE: ABSTRACT

...ABSTRACT: limit the scope and usefulness of the results to only simple cases. In the first **part** of this **two -part paper**, we present an alternative method for computing the exact mean throughput of a symmetric FDDI...

...using a simple mean value approach. Closed form solutions for the exact mean throughput and **token** rotation time of a single priority symmetric network are derived. For networks with multiple levels...

...of extensive computer simulations used to verify the accuracy of our approach are also presented. **Part two** of the **paper** will propose an alternative approach for computing the approximate mean throughput of a multiple priority...

25/3,K/4 (Item 4 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01630108 SUPPLIER NUMBER: 14619616 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Output of all kinds: eclectic print news from IPEX. (printing industry trade show)**  
Dyson, Peter; Walter, Mark; Smith, Patricia; Tribute, Andrew  
Seybold Report on Publishing Systems, v23, n4, p23(11)  
Oct 11, 1993  
ISSN: 0736-7260 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 8977 LINE COUNT: 00678

... it in The Latest Word, p. 37.

It wasn't the only large-format plain-paper **printer** at the show, of course. CalComp exhibited its DrawingMaster, a 36" roll-fed color plotter...cpus.

Designed for parallelism. The secret, we were told, is to realize that there are **two parts** to rendering a PostScript file. First, the PostScript must be transformed into a display list...

...series of low-level drawing commands. This part involves parsing the incoming data stream into **tokens** (dictionary entries, fonts, images, operators and so on), resolving indirect references, binding operators to their...

25/3,K/5 (Item 5 from file: 275)  
DIALOG(R) File 275:Gale Group Computer DB(TM)  
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01522280 SUPPLIER NUMBER: 12335096 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**MacUser minifinders: 1001 Macintosh products. (Buyers Guide)**  
MacUser, v8, n8, p87(52)  
August, 1992  
DOCUMENT TYPE: Buyers Guide ISSN: 0884-0997 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 77991 LINE COUNT: 06173

...ABSTRACT: features are also provided as well as each product's price and the manufacturer's **address** . Products that are award winners are indicated with a \*....

... for information on how to sign up.

Product prices, hardware specifications, software features, and vendor **addresses** change quickly. To update the MiniFinders database of reviewed products, send written notification to MiniFinders...or even 30-fps live video. Resolution is 640 x 480 pixels. The panel can **address** as many as 3,375 true colors from the Mac or as many as 24...

...reacts to point-and-click input on-screen from a light-tipped wand. Optional Laser **Pointer** lets you control Cyclops while standing 25 feet from screen. Requires Mac II series or higher. \$8,495; Cyclops, \$1,195; Laser **Pointer** , \$395.95. Proxima Corp., 6610 Nancy Ridge Dr., San Diego, CA 92121. 619-457-5500...an overbudget warning for specified categories, a transfer command that shifts funds between accounts, an **address** database, drawing tools for designing checks, a Quicken file converter, good reporting options, and an...91) [MF#907]

MicroSpeed MacTRAC

The MacTRAC has three buttons located above the trackball. Light **indicator** signals that the lock button has been pushed. Powerful software offers wide range of custom...953]

AppleTalk Internet Router

This software router can create a large internet with EtherTalk and **TokenTalk** . Doesn't support dial-in access but supports AppleTalk Phase 2, mixed Phase 1 and Phase 2, and **token** -ring networks. Version 2.0 reviewed. \$399. Apple Computer, Inc., 20525 Mariani Ave., Cupertino, CA...for messages (each with unlimited number of enclosed images, text files, or sounds) to multiple **addresses** . Provides gateways to remote sites and dial-in remote access. Simple to install, maintain, and...

...the Mac's two serial ports and an ADB port. Although ADB bus standard can **address** as many as 16 devices, Apple discourages use of more than 3, so MultiPort's...hardware router speed is limited by modem. Can create a large internet with EtherTalk and **TokenTalk** , using third-party cards. Offers support for AppleTalk Phase 2, mixed Phase 1 and Phase 2, and **token** -ring networks. Version 3.01 reviewed. Requires Mac Plus or later. \$395. Farallon Computing, Inc...

...with lots of superior features. Macs and PCs can be used as clients. New, simplified **addressing** scheme boosts performance in a busy environment and saves disk space on server. Supports voice...416-445-9640. (Nov '89) [MF#1047]

SuperClock!

SuperClock! is a superb on-screen time **indicator** or clock. Has excellent timer and alarm functions. Perfect for PowerBooks. Version 3.9 shipping...

...233-6851 or 510-769-7701. (May '88) [MF#1051]

Organizational Tools/Personal-Info Managers

**Address** Book Plus

This handy name-and-**address** manager works easily as application, or included DA allows file access from other programs. Good...

...flexible time-management. Has many options for alarms, reminders, and to-do lists. Includes simple **address** book and phone directory with auto-dial support. Unable to automatically schedule repeating events and...

212-941-7500. (May '92) [MF# 1058]

Dynodex

Dynodex is a fast, powerful name-and-address manager. Complex, multifield data-entry screen is extensively customizable. Good phone-dialing features. Includes FiloFax...

...June '91) [MF#1060]

Intouch

Intouch is a simple DA that keeps track of names, addresses, telephone numbers, and personal notes. Printing options include any typeface that fits into your layout, including bar codes and facing identification marks; embedded graphics for any of ten return-address selections; and special messages in the lower-left corner of envelopes. Optional Intouch Network program...

...274-2800. (July '92) [MF#1063]

QuickDEX II

This easy-to-use, intuitive name-and-address manager's interface resembles cards in a deck, with text entry permitted into fields in...

...1067]

TouchBASE

TouchBASE is a fast DA that provides sophisticated multicriteria search capabilities in personal-address-book databases. Supports phone dialing. Has wide range of printing options and templates for labels, envelopes, and double-sided address books. Works well in networked multiuser mode. Version 2.0 reviewed. Requires Mac Plus or...is fast and easy to use and supplies a powerful database engine for names and addresses. Optional AppleTalk Network Box lets you share the printer with other networked Macs. Version 1...but is easy to use. Provides simple database capability for sorting and retrieving names and addresses. Recommended if your labeling requirements won't change. Requires Mac Plus or later. \$259. Seiko...inkjet printer offers relatively high resolution and comes bundled with powerful color-matching software. Fast. Printing on clay-coated paper produces brilliant colors. Maximum printable area is 11 x 17 inches. Doesn't include PostScript, so Mac processes images for printer. Requires 32-bit QuickDraw and Mac Accessory Kit (software and manuals) plus third-party SCSI cable. \$2,345; Mac Accessory Kit, \$150; tractor feeder, \$300. Tektronix, Inc., P.O. Box 500, Wilsonville, OR 97077. 800...Scanner/400

This hand-held scanner has very good resolution. True 400-dpi scans. Excellent OCR. Version 1.0 reviewed. Version 2.0 shipping. Requires Mac Plus or later and System...

...interpolate to a resolution of 1,600 dpi. Standard resolution is excellent for use in OCR. Bundled DeskScan II software has handy self-installer and makes calibration or contrast correction a...and slow. Scans at up to 300 dpi. Has powerful color controls in software. Poor OCR. Includes interface kit and Photoshop. Version 1.0 reviewed. Version 3 (400-dpi resolution) shipping...

...or later. Scanner with imaging software only, \$1,275; bundled with Publish Pac and Recognize! OCR software, \$1,395. DEST, 1015 E. Brokaw Rd., San Jose, CA 95131. 408-436-2700...

...982-0771. (Dec '91) [MF#1232]

Varityper 1200

High-resolution 400-dpi scanner with excellent OCR capabilities. Powerful software controls. Price includes Mac IIx. Requires Mac IIx with 8 MB of...

25/3,K/6 (Item 6 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01448633 SUPPLIER NUMBER: 11237933 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Products.



MIDRANGE Systems, v4, n14, p50(4)

July 9, 1991

ISSN: 1041-8237

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3358

LINE COUNT: 00282

... a new tabletop printer, the 2030 LED Printing System. The system attachment options include Ethernet, **Token** -Ring, RS-232C or RS-422 serials, Centronics parallel, coax and twinax.

The 2030 Model...

...with all AFP-supported functions. System attachments include 370 Channel (remote print manager, SDLC or **Token** -Ring and Channel extension), and a communications attachment compatible with the 3820. The model 2...

...feature allows an automotive supplier to run several plants with one system. The effective data **pricing** feature allows automotive suppliers to specify a particular date a price increase will become effective. Selected shipper print allows an automotive supplier to **print** selected shipping **paper**, including packing slip, bill of lading, export papers, and pool papers. And the MenuPath feature...

...11,800. Alpha is located at 3767 Alpha Way, Bellingham, Wash, 98226; (206) 647-2360.

**TOKEN** -RING

ADAPTER

Xircom introduces its 16/4 Pocket **Token** -Ring Adapter. The adapter takes advantage of 16 Mbps **Token** -Ring technology and includes SmartRing software.

The adapter is IEEE 802.5-compatible and is...

...into and out of the parallel port and reduces memory requirements.

The 16/4 Pocket **Token** -Ring adapter supports IBM LAN Server and PC LAN programs, Novell NetWare, Microsoft LAN Manager...

...The I-O 2500 Series feature reverse video overscan, 80- or 132-column display, host-**addressable** printer port, 128-key type buffer, and 150-key record/playback capability. They feature a...

...is located at 2256 S. 3600 W., Salt Lake City, Utah 84119; (801) 973-6767.

**BAR** -CODE

DEMAND

Unimark announces the U400-TX, a thermal/thermal-transfer **bar** -code printer for direct connection to the Systems/3X or AS/400. A special interface inside...administrators capture, view and analyze traffic within LattisNet Network Control Engine (NCE) domains for Ethernet, **Token** -Ring, and FDDI networks. It utilizes X-Windows.

The Protocol Analyzer and Load Monitor applications...

...DESCRIPTORS: **Token** Ring Network...

...**Bar** Codes ;

25/3,K/7 (Item 7 from file: 275)

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01439758 SUPPLIER NUMBER: 10957512 (USE FORMAT 7 OR 9 FOR FULL TEXT)

MiniFinders. (buyer's guide to Apple Macintosh hardware and software)

(buyers guide)

MacUser, v7, n8, p135(49)

August, 1991

DOCUMENT TYPE: buyers guide

ISSN: 0884-0997

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 80288

LINE COUNT: 06476

TEXT:

...your personal buyer's guide. MacUser editors have carefully selected and evaluated each product, assigning **ratings** from one to five mice, in half-mouse increments; only products that have received a mouse **rating** appear in MiniFinders. All the **ratings** are relative within a category, and because the market is constantly changing, our **ratings** change too. For detailed product information, look for the original, full-length review in the...

... from the back-issues libraries of Zmac.

Product prices, hardware specifications, software features, and vendor **addresses** change quickly. To update the MiniFinders database of reviewed products, send written notification to MiniFinders...

...E. Walnut St., Ste. 175, Pasadena, CA 91101. (818) 792-9674. (June '91)

DAL (Data **Access** Language) 4

DAL is an API (application programming interface) for sophisticated client/server database **access**. Server operating systems include IBM MVS and VM as well as VAX/VMS. Database-management...

...special cable to provide 750-Kbps transfer. It has an INIT that gives you background **access** to your remote Mac's files even when LapLink isn't running. You can protect the Mac globally for read/write or read-only **access**. Directory sorting-and-searching capabilities are provided along with display filters to show and hide...

...large networks but supports communication with DOS compatibles and UNIX machines. Files and subdirectories are **accessed** transparently as if they are Mac Folders. MacTOPS handles file translation between platforms. Print spooling and InBox E-mail software are bundled. Serialized. Supports AppleTalk, FlashTalk, EtherTalk, and **TokenTalk**. Unlimited number of simultaneous users. Not AFP-compliant. Version 3.0 reviewed. Requires MacPlus or...

...Eddy

MacWorkStation 4

MacWorkStation is a development environment. It is also a communications program that **accesses** custom mainframe applications through the Mac interface. Modular design allows expansion. Mac II and MultiFinder...

...than a user product. It allows creation of powerful front-end Mac applications that can **access** Oracle databases on mainframes and minis. Has HyperCard XCMDs. Version 1.1 reviewed. Version 1...with System 6.0.3 or later and printer, IBM PC or later, and DOS 2 .0 or later with at least 256K of RAM. \$179 for pcMACTERM II and \$395...

...by Compatible Systems) connects your Mac to a PC via SCSI, enabling the Mac to **access** files on a PC or a PC network. File-transfer software provides generic text and...

...use and fast, SQL\*Net is an API (application-programming interface) for client/server database **access**. Server operating systems include IBM MVS and VM as well as VAX/VMS, UNIX, and...

...software router is the fastest we tested. Can create a large internet with EtherTalk and **TokenTalk**. Doesn't support dialing **access**, but offers support for AppleTalk Phase 2, mixed Phase 1 and Phase 2, and **token**-ring networks. Cabling can be thick coaxial, thin coaxial, or twisted-pair. Quality of technical...groupware" product for the Mac. As with multiuser databases, Aspects provides several users with simultaneous **access** to multiple documents (limited by available RAM). Word-processing, drawing, and painting modes are provided...

...are no database or spreadsheet modes, outliner, or color support. Operates on LocalTalk, Ethernet, or **token**-ring networks via AppleTalk, or can use 2,400-bps modems. Version 1.0 reviewed...V AXes. Efficient single-instance storage scheme is used for messages and enclosures to multiple **addresses**. Features include keyboard name entry for messages, customizable forms, image-display and voicemail support, and...

reviewed. Version 2.0 shipping...onto a video signal. Original software was clumsy to use, but new version will provide **access** via control panel. Version 1.8 software shipping. Requires Mac II, Apple 8-bit-video...

...acoustic input can be mixed and synchronized, producing CD-quality stereo that's easy to **access** and manipulate. Version 1.0 reviewed. Version 1.03 shipping. Requires Digidesign, 1360 Willow Rd...P.O. Box 7865, Fremont, CA 94537. (415) 794-6850. (May '91)

\* PERSONAL INFO

MANAGERS

**Address** Book Plus 4 1/2

**Address** Book Plus is a name-and-address manager. It prints on one side of a page only. A limited DA allows file **access** from other applications. Good sorting and import/export abilities. Wide range of font and type...Dr., Menlo Park, CA 94025. (415) 329-0500. (Sept '88)

DynoDex 4

DynoDex is an **address** -book program. Includes a binder and binder-sized **paper** for **printouts**. **Prints** on both sides of the paper. Imports data from text files, but needs a DA to **access** data while you're in other applications. Has HyperCard stack for preparing HyperCard **address** stacks. Version 1.0 reviewed. Version 2.0 shipping. Requires Mac Plus or later and...

...Intouch 4 1/2

Intouch is a simple, fast DA that keeps track of names, **addresses**, telephone numbers, and personal notes. Provides basic search capabilities plus the ability to easily print...

...layouts. Printing options include any typeface (in any size) that fits into your layout, including **bar codes** and facing identification marks; embedded graphics for any of ten return-address selections; and special messages in the lower left corner of envelopes. Provides options for auto ...

...5392 or (408) 733-0745. (Apr '91)

MacPhonebook 3 1/2

MacPhonebook handles name-and-address lists with up to 1,600 entries. Best at printing lists in large, medium, and...and well-designed calendar, planner, diary, and to-do-list forms. Lacks a name-and-address section and needs automatic transfer of data between sections. Version 2.5 reviewed. Requires Mac...

25/3,K/8 (Item 8 from file: 275)

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01321029 SUPPLIER NUMBER: 08550029 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Data Based Advisor COMDEX sneak preview. (COMDEX '89; includes related article on Microrim Inc.'s next-generation database management system)  
Data Based Advisor, v7, n11, p71(33)  
Nov, 1989  
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 24226 LINE COUNT: 02038

... that provides a gateway between Clipper and Novell's Netware SQL. RaSQL gives Clipper programmers **access** to SQL.

RaSQL lets you: Execute SQL statements from a Clipper application; open up to...

...introduction of CounterPoint. CounterPoint is a retail point-of-sale application, written in FoxBASE+, which **addresses** 1) Sales Processing; 2) Purchasing and Receiving; 3) Inventory Control; 4) Accounts Receivable; 5) Mail...

...align displaced data, replaces high bits and control characters, and removes invalid end-of-file **markers** while repositioning end-of-file **markers**.

Clipper, FoxBASE+, and C...

...client operating system. For example, Clipper compiled dBASE language applications running on DOS clients can **access** SQLBase running on DOS, OS/2, or Unix servers.

For more information, contact Gupta Technologies...

...the Macintosh. FoxGraph/Mac provides color three dimensional and two dimensional graphics. Data can be **accessed** directly from FoxBASE+/Mac data files, or imported from other software systems using standard data... holding Clipper training workshops. They include on-going classes in the Los Angeles area--other **locations** will be announced later.

Small classes will offer: Technical integrity, classes tailored to skill level...and employee availability. A search is made for employees with the required title/skills, seniority **rating**, and preferred hours.

It's features include:

\* Rotation scheduling including daily, weekly, bi-weekly, monthly...

...line of caching controllers. The smartcache controllers are equipped with a motorola 68000 processor and **access** to an amazing .5ms. The smartcache is available in ST-506, RLL, and ESDI models...two new SQL database servers. The XDB Turbo Server runs on a dedicated 386 computer **accessing** any NETBIOS compatible network. The system uses native 386 instructions, with 32 bit **addresses**, permitting **access** to up to 16M of memory. Preliminary tests on the XDB Turbo Server indicates a...

...offers features such as, a "stack" architecture that provides instant roll-back, recovery and logging, **access** to B-tree nodes, and variable length record storage; transparent distribution of data across many... files. Other features include on-line hypertext help and VCR-style buttons for browsing, key **access**, and filtering for selected records.

Superbase 4 can show scanned or digitized images with database...

...intelligent, easy-to-use, data translation utility available. An must for PC users needing to **access** data residing on other systems. AutoImport reads ASCII text files from mainframes, minis, or micro...for transmitting data over Hayes or compatible modems.

The network version has record locking capability **accessing** several database users on the network, without locking the whole file. Compatible with LANs supporting...

...letters, customizable reports, pop-up calculator, pop-up script, and on-line customizable help system, **access** to DOS, optional quoting systems with links to SBT and AccountMate, and the ability to...

...programmable relational database with a program generator and runtime compiler.

TAS-Pro also gives you **access** to an extensive library of products and utilities, including accounting products and source code.

TAS...

...key fields per data file. The Data Dictionary maintains all data file structures in one **location**. TAS uses the Btrieve File Management System, to avoid degradation of file ...flexibility in the format and appearance of the help windows lets users modify its size, **location**, color, and other aspects of the information and window.

Help On The Side retails for...formats to produce invoices and statements using plain paper or pre-printed forms. It supports **barcode** readers, electronic cash drawers, and most LANS. Merchandise Sales, Service Billing Customer Orders, ROAs, and...

25/3,K/9 (Item 9 from file: 275)  
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01319466 SUPPLIER NUMBER: 08226443 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Making the right connections. (choosing a local area network) (includes**

related articles on networking terms, pricing, and the two main  
networking protocols)

Collin, Simon

PC User, n120, p7(3)

Nov, 1989

ISSN: 0263-5720

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3193

LINE COUNT: 00237

... user does not control it -- software does.

The software

Network software is made up of **two parts** : one does the useful  
things like look after passwords, **printers** , file transfers, mail and so  
on -- this is the network operating system. The important thing...

...the network in a certain, fixed way -- no matter whether it's an  
Ethernet or **Token** Ring card sending the signals.

To solve this problem, you are requested to select the...

25/3,K/10 (Item 10 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01317661 SUPPLIER NUMBER: 07966948 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Making the right connections. (choosing LAN equipment) (includes related  
articles on common protocols, costs, terminology)**

Collin, Simon

PC User, n120, pS7(3)

Nov 22, 1989

ISSN: 0263-5720

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3191

LINE COUNT: 00237

... user does not control it - software does.

The software

Network software is made up of **two parts** : one does the useful  
things like look after passwords, **printers** , file transfers, mail and so  
on -- this is the network operating system. The important thing...

...the network in a certain, fixed way -- no matter whether it's an  
Ethernet or **Token** Ring card sending the signals.

To solve this problem, you are requested to select the...

25/3,K/11 (Item 11 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01258223 SUPPLIER NUMBER: 06854814 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**New products. (directory)**

High Technology Business, v8, n12, p46(2)

Dec, 1988

DOCUMENT TYPE: directory

ISSN: 0895-8432

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1938

LINE COUNT: 00158

... pages/minute of complex graphics, graytones and type fonts. It uses  
a light bar to **print** on cut **paper** at a resolution of 300 dots/inch.  
Includes 18 megabytes of random-**access** memory. The printer also accepts  
print files from other applications and platforms. \$190,000. Eastman...

...maximum recording. The analog display, which is updated 40 times/second,  
is a high-resolution **pointer** on Model 87 and a bar graph with zoom mode  
on Models 83 and 85...

...and 41M software. Has two RS-232C ports and a Kermit file-transfer  
protocol; supports **bar -code** scanning and smart wands. \$750. CMT Inc.,  
895 Northwest Grant Ave., Corvallis, OR 97330. (503...Wang PC 200/300  
computers. The security system consists of an option card, two electronic

**tokens** , a **token** reader and software to control access and prevent tampering. Handles as many as 64 users...

...erase head, a three-position high-speed shutter, low-light sensitivity and VHS index and **address** search. Offers power zoom, a 2/3-inch black-and-white electric viewfinder, audio/video...

25/3,K/12 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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04713290 SUPPLIER NUMBER: 19192261 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Is there a future for cooperative collection development in the digital age? (Resource Sharing in a Changing Environment)**  
Shreeves, Edward  
Library Trends, v45, n3, p373(18)  
Wntr, 1997  
ISSN: 0024-2594 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 8263 LINE COUNT: 00690

... about change in the processes of scholarly communication.  
A number of significant advances based on **machine -readable** cataloging produced the incidental effect of dramatically improving access to bibliographic information for resource sharing...and enough shelves to house what was cataloged, local ownership would still provide the best **access** , at least when **print** on **paper** is the medium at issue. Fiscal realities have never allowed many libraries to operate in...wish to apply a rather crude measure--reduction in expenditures--to measure success. By that **token** , of course, cooperative collection building projects have failed completely. Librarians may counter that the growth...

...resources into adapting and emulating the model provided by the Triangle Universities in order to **address** collaboratively the problems of collecting mostly print resources in the late twentieth and early twenty... some time, and to play a role in organizing that world and helping to provide **markers** of quality and appropriateness. Several authors have recently discussed librarians' potential roles in this arena...

...in poor physical condition, is likely to become an increasing financial burden for research libraries. **Addressing** this problem could follow two parallel tracks, both of them benefiting from collaboration and the...

25/3,K/13 (Item 2 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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04304853 SUPPLIER NUMBER: 17096198 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Archival issues in network electronic publications. (Networked Scholarly Publishing)**  
Brichford, Maynard; Maher, William  
Library Trends, v43, n4, p701(12)  
Spring, 1995  
ISSN: 0024-2594 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4823 LINE COUNT: 00413

...ABSTRACT: the preservation of networked information to provide long-term access to users. Preservation must be **addressed** early in the process of planning policy. User access, costs and legalities are other important...

... organizations, and individuals to ensure the retention, preservation, and utilization of archival holdings. They are **authenticated** by analyzing their content and obtaining evidence of their source during the process of their...

...published material should be transferred to archival custody. When the transfer occurs, the archivist must **address** the issues of **authentication**

, appraisal, arrangement, description, and preservation or physical protection. These responsibilities are closely interrelated. Most archival ...

...retained according to their potential value and the anticipated costs of processing, preservation, and retention. **Authentication** and anticipated use have a direct effect on appraisal. Description and preservation of the information...

...loss of substantial portions of detailed information, which is destroyed after a few years.

#### Authentication

**Authentication** involves a determination of the validity or integrity of information. Integrity requires the unbroken custody...custodial responsibility of the agency that maintains it - e.g., the source determines authenticity. The **authentication** of archival information requires that it be verified as to source, date, and content. The...

...and research use. Through carelessness, and occasionally maliciousness, humans erase, destroy, and steal documents.

To **address** the diversity of threats to the longevity of documentary material, archival preservation traditionally has focused...only three options for ensuring ongoing accessibility:

1. The texts can be off-loaded by **printing** onto **hard copy** once sufficient time has elapsed that electronic and interactive **access** is no longer critical. 2. The original storage media, software, and hardware can be retained to allow continued **access** to the system. Under this option, the publisher, library, or archives must become a hybrid of a museum and a specialized electronics laboratory. 3. The data, **access** systems, and hypertext linkages can be continually converted and verified as each generation of hardware...

...mechanism to ensure ongoing access at least as long as what would be available through **printing** on acid-neutral **paper**, the publisher is de facto saying that the author's work does not have long...

...By placing his or her work in an electronic publication without plans for long-term **accessibility**, the author is saying that the work does not have permanent value.

Not all electronically...electronic publications cannot be solely an archival issue but an administrative one that can be **addressed** only if the creators and publishers take an active role in providing resources necessary to...

...DESCRIPTORS: Documents in **machine -readable** form...

25/3,K/14 (Item 3 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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04081469 SUPPLIER NUMBER: 15682178 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Evaluating electronic texts in the humanities. (Libraries and the Internet: Education, Practice & Policy)**  
Hockey, Susan  
Library Trends, v42, n4, p676(18)  
Spring, 1994  
ISSN: 0024-2594 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 8242 LINE COUNT: 00631

...ABSTRACT: the evaluation of electronic texts in the humanities for libraries include input procedures, quality, documentation, **access** and markup. The Text Encoding Initiative is an effort to standardize markup.

#### TEXT:

...fast and many libraries are seeking to acquire them from various sources or to provide **access** to them. Building, in part, on the experience of those scholars who work with electronic...

...documenting electronic texts are surveyed, and the article concludes with a discussion of software and **access** tools.

... into the center of the scholarly arena as libraries begin to collect them and provide **access** to them. In the humanities, as in other disciplines, electronic textual resources offer many more...

...annotations, parallel texts, illustrations, and the like are readily available. They can be used for **access** and preservation but the text cannot be searched or otherwise manipulated. A transcript of a...

...existing electronic texts in the humanities can be estimated at many thousands. The Internet gives **access** to a fraction of these, and the existence of most of the others is only...the programs, which is more than can be said for some texts.

The Internet gives **access** to ARTFL and to the Dartmouth Dante Project (DDP), which includes the text of The...

...for better electronic texts. Bolton (1990) reviews three electronic versions of Shakespeare and tools to **access** them and gives a detailed evaluation from the perspective of a scholar in English studies...

...What makes a good electronic text that a research library would want to acquire or **access** ? The popular market for electronic texts is growing fast. We are already witnessing different collections...

...libraries need to know to make decisions on what to collect and how to provide **access** to their collections?

Some very basic questions which should be asked include: How are patrons...

...created by individuals. Experience has shown that accuracy must not be assumed.

Optical character reading (OCR) has been used to input a variety of humanities texts. The capability of OCR software has improved somewhat, but OCR is not yet able to handle early printed books, manuscripts, some types of newspapers, and other material **printed** on poor quality **paper**. A text which has been input by OCR will need thorough proofreading even if the initial scanning appears to be very good. Claims...

...expect to find in a printed book. Many existing texts which have been input via OCR have not been proofread well. Typical errors include confusion of e and c, h, and of capture in the form of encoding or markup **tags**.

As with print materials, the choice of source edition is important for the academic acceptability...

...particular form, allowing the scholar to examine them in fine detail. Text retrieval gives instant **access** to occurrences. The first and most obvious application of these is as a reference tool...

...available on CD-ROM, the Perseus team sees the network as the future means of **accessing** the database and have designed it so that the individual components can easily be imported...version as well as folios and lines in the original. All of these should be **accessible** to the scholar working on the text and therefore need to be identified or encoded...SGML-based software which operates on the text. SGML provides a method of encoding which **addresses** many of the intellectual issues which previously used encoding schemes have not. A further advantage...

...multiple parallel referencing schemes which appear in many humanities texts.

Sets of encoding or markup **tags** which conform to the SGML syntax are known as SGML applications. When a text is...

...to be in SGML, it is important to know which SGML application and to have **access** to the DTD. True SGML must conform to a DTD. There are many electronic texts...



...of analyzing and interpreting the text. Although the TEI Guidelines include some 400 different encoding **tags** , very few indeed are absolutely required. The basic philosophy is "if you want to encode...

...that virtually all texts share a common core of features, to which can be added **tags** for a specific discipline, text type, or application. The encoding process is seen as incremental, so that additional **tags** may be inserted in a text as new researchers work on the text. Almost all... divided into units which, for convenience, the TEI has chosen to call divisions using the **tag** <div>. SGML attributes are used to identify the type of division--e.g., "chapter," "stanza...

...recording updates to the text. The TEI header does not yet have elements which specifically **address authentication** , but it would be a simple matter to define extra elements which would contain a time stamp or other **authentication** codes. These may further be extended to apply to only certain SGML elements within the...

...of electronic texts in the humanities using standard bibliographic procedures is the Rutgers Inventory of **Machine -Readable** Texts in the Humanities, which began in 1983 in response to a growing number of...

...The inventory is available now on the Research Libraries Information Network (RLIN) and should be **accessible** soon in other ways as well.

Research done at CETH indicates that there is little...ensure that sufficient information is provided in the catalog record to enable librarians to provide **access** to the text in a meaningful way (Hoogcarspel, 1993, 1994).

At present, the main source...

...principled basis as samples which represent a specific population--e.g., the Brown Corpus), (5) **machine -readable** dictionaries, and (6) computational lexica. The intention was to send a different follow-up questionnaire...

...also central to the evaluation of electronic texts, the key question being how to provide **access** to the texts. An ASCII file with markup offers the most possibilities in that it...

...the text since they have to decide what is indexed and how it can be **accessed** . The Text Encoding Initiative has laid the groundwork for multipurpose text after over four years...in research will be needed in order to determine the principles and procedures for providing **access** to the multipurpose high-quality electronic text which will serve the needs of humanities scholarship...

...Sperberg-McQueen, C. M., & Burnard, L. (Eds.). (1990). Guidelines for the encoding and interchange of **machine -readable** texts (TEI document PI). Chicago, IL and Oxford, England: ACH-ACL-ALLC. Sperberg-McQueen, C...

25/3,K/15 (Item 4 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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04075561 SUPPLIER NUMBER: 15415808 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Integrated library systems for microcomputers and mainframes: a vendor study. (part 1)**  
Saffady, William  
Library Technology Reports, v30, n1, p5(141)  
Jan-Feb, 1994  
ISSN: 0024-2586 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 60348 LINE COUNT: 05244

... modular in design. A minimal configuration typically incorporates three application components: cataloging, online public catalog **access** , and circulation control. Of these, the cataloging module--which supports data entry, database management capabilities...

University Microfilms International. The databases are indexed in the VTLS format for searching through the public **access** catalog. In 1993, VTLS introduced client software for Z39.50 communication capabilities. VTLS Z39.50...interface features to simplify operation. The VTLS Z39.50 client supports TCP/IP and asynchronous **access** to the Internet and includes an interface to the NCSA Moosaic browser. As many as...

...Raivio (1992), Salonharju (1991), Soini (1988), and Turkka (1992). More than 30 VTLS libraries are **accessible** via the Internet. Examples, with telnet **addresses**, include Virginia Tech (vtls, vt.edu), the Finnish National Library (hyk.helsinki, fi), the National...input from a variety of sources. Effective authority control capabilities are provided. The VTLS public **access** catalog module offers a choice of menu- and command-driven modes. The optional keyword and...

...offers little growth potential. The UNIX implementation of the VTLS, which was introduced in 1993, **addresses** limitations associated with a proprietary minicomputer platform and broadens the market for VTLS products. Hewlett...RFP. Library Technology Reports 29 (5): 587-732. Breeding, M. 1991. Multipurpose technical services workstations: **Access** to NOTIS/OCLC/GTO with a single microcomputer. Library Hi Tech 9 (3): 69-81 ...1992. Knowledge level of users and nonusers of keyword/Boolean searching on an online public **access** catalog. RQ 32 (1): 60-74. Ensor, P. 1992a. User characteristics of keyword searching in...

...80. Ensor, P. 1992b. User practices in keyword and Boolean searching on an online public **access** catalog. Information Technology and Libraries 11 (3): 210-19. Erickson, R., and Miller, B. 1987...

...an online catalog. Information Technology and Libraries 8 (3): 273-83. Furlong, E. 1978. Index **access** to on-line records: An operational view. Journal of Library Automation 11 (3): 223-28...of integrated turnkey systems. IATUL Proceedings 17 (1): 91-96. Hardin, S. 1991. Multiple database **access**: More users, more considerations. CD-ROM Professional 4 (2): 32-34. Harer, J., and Gyszly...Professionals: Proceedings. West Newton, Mass.: Microuse Information, 155-64. Lee, N. 1990. InfoStation: A multimedia **access** system for library automation. Electronic Library 8 (6): 415-21. Lee, N. 1991. Hypermedia authoring...and its features. Library Hi Tech 3 (2): 81-90. Miller, S. 1991. NOTIS multiple **access** system: Providing enhanced information services with a single user interface. In Proceedings of the Twelfth...

...California Hastings Law Library. Technical Services Quarterly 5 (3): 53-63. Peritore, L. 1990. Public **access** to serials check-in information and its impact on reference services. Reference Librarian (27-28...

...M., and Ward, J. 1989. Side-by-side: Users react to a second online public **access** catalog. Library Trends 37 (4): 402-413. Scholz, W. 1977. Computer-based circulation systems: A...using NOTIS. Serials Review 9 (4): 64-73. Steffey, R. 1990. The NOTIS Multiple Database **Access** System: A look behind the scenes. Online 14 (5): 46-49. Steinberg, D., and Metz...an online catalog. College and Research Libraries 45 (1): 66-70. Steiner, K. 1991. Remote **access** to the online catalog for off-campus clientele. In Proceedings of the Fifth Off-Campus...

...a new foundation in information service: A critical look at the implementation and impact of providing **access** to mainframe databases. In Online/CD-ROM '90: Proceedings of the Conference. Weston, Conn.: Online...and the terminological consequences]. Bibliothek 10 (1-2): 103-112. Wilson, F. 1989. Article-level **access** to the online catalog at Vanderbilt University. Information Technology and Libraries 8 (2): 121-31...

25/3,K/16 (Item 5 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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03899809 SUPPLIER NUMBER: 13265441 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Bib-Base. (microcomputer-based automated library system)**

Matthews, Joseph R.; Parker, Mark R.

Library Technology Reports, v29, n2, p181(8)

March-April, 1993

ISSN: 0024-2586

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2024

LINE COUNT: 00179

... DOS 3.1 or higher file and  
record-locking system calls. Examples include PC  
Network, **Token**  
Ring, LANTastic, and Novell's NetWare,  
3COM Ethernet, Starlan, PC Office's  
Netboards, and Software...

...and output MARC (and some non-MARC) bibliographic records, including  
fixed-field data, variable fields, **tags**, **indicators**, and subfields. It  
can accept records from a variety of online (e.g., OCLC, RLIN...

...serials), AV (audiovisual media), MN (manuscripts), MP (maps), SC  
(scores), RC (sound recordings), and DF (**machine-readable** data files).  
The software supports the inputting of MARC special characters and  
diacritics. There is...

...order records have been selected the user can decide whether to send  
them to a **printer** (either cards or **paper** orders can be generated) or a  
diskette file, or to transmit them electronically (assuming **access** to the  
BISAC software).

Bib-Base will automatically update the record status to "ORD'D...

25/3,K/17 (Item 6 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

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03475599 SUPPLIER NUMBER: 09552607 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Products of the year contest. (reader's vote for favorite products)**

Datamation, v36, n20, p97(17)

Oct 15, 1990

ISSN: 1062-8363

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 8936

LINE COUNT: 00735

... system to other mail systems worldwide. InBox Plus supports such  
features as distribution lists, personal **address** books and mail storage  
boxes. SITKA CORP., Alameda, Calif. For more information, circle 415. To...  
is a multiprotocol remote combined bridge and router designed to operate in  
either Ethernet or **TokenRing** network environments. It links  
geographically disbursed LANS to produce wide area networks. VITALINK  
COMMUNICATIONS CORP...to three networks simultaneously. Its trichannel  
architecture allows it to support any combination of Ethernet, **Token** Ring  
or Fiber Distributed Data Interface (FDDI) protocols.

The system supports fiber, twisted pair and...

...multiple hosts for further processing. CRS supports NetView and can be  
configured on an IBM **Token** Ring network. DAVOX CORP., Billerica, Mass.  
For more information, circle 436. To vote, circle 536...and graphical  
information. The system integrates information from office systems, ASCII  
and optical character recognition (OCR) files; on-line databases; and  
electronic-publishing systems into a repository. INFORMATION DIMENSIONS  
INC., Dublin...set of software facilities designed to automate applications  
development on DEC VAX computers. The software **addresses** all areas of  
applications development, from generating screens, creating databases, and  
defining dialog flow to...other major components they would like duplexed.  
All model 30s can connect to Ethernet and **Token** Ring networks under IBM's  
Systems Network Architecture (SNA), to Digital Equipment Corp.'s DECnet...  
simultaneous support of two hosts. A front-mounted liquid crystal display  
(LCD) control panel provides **access** to all setup and diagnostic functions  
in the world. MANNESMANN TALLY CORP., Kent, Wash. For...

...3840 dot matrix printer offers print speeds of up to 600 characters per second. The **printer** offers multiple **paper** paths, format setup memory and zero-inch tear off. The 3840 can handle continuous form paper, single sheets of **paper** and labels.

The **printer** offers local control of print parameters, such as emulations, tabs and fonts, which takes the...

25/3,K/18 (Item 7 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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03084662 SUPPLIER NUMBER: 06197650 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Perspective on connectivity. (OS-2 operating system)**  
Strehlo, Christine  
Personal Computing, v12, n2, p107(3)  
Feb, 1988  
DOCUMENT TYPE: Evaluation ISSN: 0192-5490 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 2045 LINE COUNT: 00161

... available on 3+ open.

IBM's own LAN Server, due out in November 1988 as **part** of OS/2 Extended Edition 1.0, will include security features, **printer** management, **print** spooling, audit reporting, system statistics, error logging, and LAN administration features. LAN Server is optimized for **Token** Ring and PC LAN local area networks, which use serial connections on computers. Interfaces for 3270 terminals, Async terminals, SDLC, and **Token** Ring and PC Net connections are included, and X.25 protocol emulation and 5250 terminal...

25/3,K/19 (Item 1 from file: 75)  
DIALOG(R)File 75:TGG Management Contents(R)  
(c) 2000 The Gale Group. All rts. reserv.

00184529 SUPPLIER NUMBER: 17878966 (USE FORMAT 7 FOR FULL TEXT)  
**The IRS regulatory implications of electronic record keeping. (includes related article)**  
Danos, Joseph; Sriram, Ram S.; Weiner, Stanley  
The CPA Journal, v65, n11, p46(5)  
Nov, 1995  
ISSN: 0732-8435 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3205 LINE COUNT: 00261

... tape, overwrite a historical file, and lose all transaction evidence. If controls over electronic system **access**, backup, and operations are inadequate or lax, the records lose their reliability. A clever programmer or another employee can change transaction data after it has been **authenticated** and stored.

Backup of records on a routine basis and adequate controls over transaction records...the data contained in such records are included in the EDI transaction records retained in **machine -readable** form. In addition, there is no need to produce a **hard -copy printout** of EDI records since, in the usual case, hard copy records are not produced or received in the ordinary course of EDI transactions. Of course, the IRS may request **hard -copy printouts** at any time.

To provide the IRS reasonable **access** of the retained EDI records, Rev. Proc. 91-59 also lists documentation, hardware, and maintenance... security program be implemented and maintained. Such a program should -  
\* allow only authorized personnel to **access** the electronic records,  
\* have backup and recovery routines,  
\* provide training in electronic data maintenance procedures...

...addition to the sampling procedures paraphrased in Rev. Proc. 91-59, the NARA standards also **address** other storage media considerations. Magnetic tapes are to be tested within six months of their...

...should not be permitted in tape libraries or test areas. In the case of direct **access** storage media, written procedures should be issued for their care and handling, based upon the...

...As a normal practice, to maintain internal systems security, trading partners do not provide direct **access** to their data processing systems. In the transmission process, an electronic mailbox is used. This...

25/3,K/20 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2000 The Gale Group. All rts. reserv.

01388302 Supplier Number: 41764252 (USE FORMAT 7 FOR FULLTEXT)

**THE AION/ALBATHION/HARMON APPROACH**

Intelligent Software Strategies, v7, n1, pN/A  
Jan, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1203

(USE FORMAT 7 FOR FULLTEXT)

**TEXT:**

...The Aion Development Methodology begins by assuming that an expert system will be composed of **two parts** : a set of objects that will contain a model of the knowledge used in the...

...will make inferences about specific problems encountered by the application (see Figure 4 -- in the **printed** version of this issue, available from Cutter Information Corp.; (800) 888-8939, (617) 648-8700...

...the type or types of cognitive tasks the system will handle. Figure 5 (in the **printed** version of this issue, available from Cutter Information Corp.; (800) 888-8939, (617) 648-8700...

...Diagnostic application and represent all of the rules as backward-chaining rules. (By the same **token** , if one was using a tool limited to forward chaining, one would conceptualize the problem...

...what to do if further information was needed (recommended action -- see Figure 6, in the **printed** version of this issue, available from Cutter Information Corp.; (800) 888- 8939, (617) 648-8700...

...application. One develops a "Domain Model" using frames or objects. (See Figure 7 -- in the **printed** version of this issue, available from Cutter Information Corp.; (800) 888-8939, (617) 648-8700...

...for users, they set slot values and objects generate outputs (see Figure 8 -- in the **printed** version of this issue, available from Cutter Information Corp.; (800) 888-8939, (617) 648-8700...

25/3,K/21 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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01315690 Supplier Number: 41520917 (USE FORMAT 7 FOR FULLTEXT)

**THE BASIC CONCEPTS**

Intelligent Software Strategies, v6, n9, pN/A  
Sept, 1990

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1495

... mammal and the rabbit objects would both inherit that attribute (see Figure 1 in the **printed** version of this issue, available from Cutter Information Corp.; (800) 888-8939, (617) 648-8700). By the same **token** , if the mammal object had **two attributes** : fur and warm blood, the rabbit object would inherit those attributes as well. Moreover, if...

25/3,K/22 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2000 The Gale Group. All rts. reserv.

02191373 Supplier Number: 42852142  
**New IBM facility lets users access, manage printers**  
Network World, p4  
March 23, 1992  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:

Pennant Systems has unveiled software that allows LAN users to access and control **printers**. **Print** Service Facility/2 (PSF/2) allows a **print** server to be set up that enables OS/2, DOS, Unix and Windows nodes linked to IBM Ethernet or **Token** -Ring LANs to tap into remote or local **printers**. PSF/2 will be **part** of the low end of IBM's Advanced Function **Printing** architecture. It cannot be used with impact **printers**, but can run on a non-dedicated server. It requires a 386- or 486-based...

...with a minimum of 12-Mbytes of memory, 2-Mbytes of memory for each active **printer**, and OS/2 Communications Manager. ...

25/3,K/23 (Item 1 from file: 624)  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2000 McGraw-Hill Co. Inc. All rts. reserv.

00885365  
**THREADS TO SNAG COUNTERFEITERS**  
Business Week October 6, 1997; Pg 75; Number 3547  
Journal Code: BW ISSN: 0007-7135  
Section Heading: Developments to Watch  
Word Count: 219 \*Full text available in Formats 5, 7 and 9\*

BYLINE:  
EDITED BY CATHERINE ARNST  
Neil Gross

TEXT:

... developed a technique for permanently marking paper or cash currency so it could be positively **authenticated**. It involved **embedding** in the **paper** a square-inch **tag** made of fluorescent nylon fibers of varying lengths and with different light-absorbing properties. The pattern of fibers in each **tag** is generated at random, and each one creates a unique optical signature when exposed to...

... to embed tags in everything from compact disks and credit cards to designer clothes and **accessories** to help manufacturers fight counterfeiting.

First, Fraser hopes to enlist a large merchandiser to help...

... scanner over the fiber tag and matching the results with values stored on a tiny **bar code** or in a central database.

25/3,K/24 (Item 1 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 Bell & Howell. All rts. reserv.

02686735 SUPPLIER NUMBER: 96055955 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Unified disparity: Theory and practice of union listing**  
Doran, Kirk  
Computers in Libraries (ICLB), v16 n1, p39-42  
Jan 1996  
ISSN: 1041-7915 JOURNAL CODE: ICLB

DOCUMENT TYPE: Feature

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2918

LENGTH: Long (31+ col inches)

...ABSTRACT: small public and school libraries; both their periodicals budgets and their Online Computer Library Center **access** are often limited. These institutions can benefit greatly from resource sharing, and printed union lists...

TEXT:

... important to small public and school libraries: Both their periodicals budgets and their online OCLC **access** are often limited. These institutions can benefit greatly from resource sharing, and printed union lists...

...listing.

Computers have changed the landscape of libraries, but not the land. While tools of **access** and control have changed, most of the materials that librarians struggle to organize have not...

...find themselves automated, yet still isolated. But nowhere is a synthesis of machine, people, and **printed paper** more valuable than in the complex world of serials.

Anglo-American Cataloguing Rules (AACR2) defines...

...information. In addition to online availability, OCLC also creates print versions, computer-output-microform (COM), **machine -readable** tape, and even fully searchable CD-ROM databases. There are currently 135 union list groups...

...increased resource sharing, the only solution to frustrating economic restrictions and skyrocketing serials prices. Increased **access**, to a threshold determined by patron demand and copyright law, is the answer to decreased ownership.

Union lists consolidate information about the **location** and availability of serials at a level of detail unequaled by other means. For example...not OCLC members.

Various communications software, terminals, PCs and PC-compatibles can be used to **access** OCLC via dedicated line, dial **access**, multidrop line, LAN, and the Internet. However, having OCLC's equipment, and particularly now its...

...we used only paper format (Repr field blank), successive entry (S/L ent field 0), **authenticated** records (lc, lcd, or nsdp in the 042 field). To promote integrity as much as...from a standardized list to maintain consistency. We then updated the LDR, making it immediately **accessible** to all OCLC users worldwide. As the agent, we could edit and re-update LDRs...

...was a good time to evaluate and weed our collection, to improve local control and **access**, and to free up space. The workflow, record selection, unscrambling complex title changes, inputting, and...

...I submitted a "request for offline products" form to Solinet, indicating that we desired a **paper printout**, alphabetically arranged by main entry (usually the title), and detailing which MARC fields to print...

...introduction, including instructions and a key to the holdings symbols with each library's name, **address**, and phone number. We sent the master to a local print shop to generate 33...

...an MSLS degree, and has worked in academic, public, and special Libraries. His e-mail **address** is kdoran@leo.vsla.edu.

References

Crawford-Oppheimer, Christine. "History of the Southeastern Union

Set	Items	Description
S1	0	AU=THORNTON J?
S2	496	AU=THORNTON, J?
S3	9	AU=LAMARCA, A?
S4	0	AU=LAMARCA A?
S5	122686	AUTHENTICAT? OR SATCHEL? OR TOKEN?
S6	2272502	LINK? OR POINTER? OR ADDRESS? OR INDICATOR? OR MARKER?
S7	1	(S1 OR S2 OR S3 OR S4) AND S5
S8	67	(S1 OR S2 OR S3 OR S4) AND S6
S9	13	S8 AND (VERIF? OR S5 OR ENCRYPT? OR ACCESS? OR ENCIPHER? OR ENCIPHER? OR ENCODE? OR MOBILE? OR PRINTED)
S10	14	S7 OR S9
S11	13	RD (unique items)
File 275:		Gale Group Computer DB(TM) 1983-2000/Jan 28 (c) 2000 The Gale Group
File 47:		Gale Group Magazine DB(TM) 1959-2000/Jan 28 (c) 2000 The Gale group
File 75:		TGG Management Contents(R) 86-2000/Jan W3 (c) 2000 The Gale Group
File 636:		Gale Group Newsletter DB(TM) 1987-2000/Jan 28 (c) 2000 The Gale Group
File 16:		Gale Group PROMT(R) 1990-2000/Jan 28 (c) 2000 The Gale Group
File 624:		McGraw-Hill Publications 1985-2000/Jan 27 (c) 2000 McGraw-Hill Co. Inc
File 484:		Periodical Abstracts Plustext 1986-1999/Nov W3 (c) 1999 Bell & Howell
File 613:		PR Newswire 1999-2000/Jan 28 (c) 2000 PR Newswire Association Inc
File 813:		PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc
File 141:		Readers Guide 1983-1999/Jul (c) 1999 The HW Wilson Co
File 239:		Mathsci(R) 1940-2000/Feb (c) 2000 American Mathematical Society
File 370:		Science 1996-1999/Jul W3 (c) 1999 AAAS
File 696:		DIALOG Telecom. Newsletters 1995-2000/Jan 27 (c) 2000 The Dialog Corp.
File 553:		Wilson Bus. Abs. FullText 1982-1999/Sep (c) 1999 The HW Wilson Co



11/3,K/1 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01876749 SUPPLIER NUMBER: 17799726 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**From model to mold. (creating molds with CAM software) (includes related articles on client tips and rapid prototyping) (Technology Information)**  
**Thornton, Jack**  
Computer Graphics World, v18, n11, p26(4)  
Nov, 1995  
ISSN: 0271-4159 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3001 LINE COUNT: 00240

**Thornton, Jack**  
... of specialized, mostly small CAD/CAM firms focused on mold making and, one by one **addressed** its challenges. Now even the biggest CAM vendors, hungry for revenue, have belatedly recognized the...methods to test-drive tool paths, ensuring worry-free, and therefore fast, machining with "NC **verification**";  
\* CAD-based routines that graphically compare the geometry used to create molds with data from...

...tool paths together to run small pieces of programs for corner clean-outs or for **linking** up stages in rough-machining of the steel mold blocks. This means computerized machine tools...

11/3,K/2 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
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03726346 SUPPLIER NUMBER: 12650615 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Education: reassessing the Commission on Undergraduate Education in the Biological Sciences. (did undergraduate biological education improve with the creation of the CUEBS?)**  
Sundberg, Marshall D.; Kormondy, Edward J.; Carter, Jack L.; Moore, John A.; Postlethwait, Samuel N.; **Thornton, John W.**  
BioScience, v42, n6, p442(6)  
June, 1992  
CODEN: BISNA ISSN: 0006-3568 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT; ABSTRACT  
WORD COUNT: 5635 LINE COUNT: 00464

...**Thornton, John W.**  
... effect of CUEBS on undergraduate biology instruction. Twenty years after CUEBS, biology educators are still **addressing** some, if not most, of the same fundamental issues, including the content of introductory biology ...is unknown. These self-contained instructional packages used Kodachrome slides, audiotapes, film loops, and a **printed** manuscript on provide mastery-based instruction on individual laboratory techniques and/or basic biological concepts...

11/3,K/3 (Item 2 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2000 The Gale group. All rts. reserv.

02671880 SUPPLIER NUMBER: 03608620 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**As foes of apartheid put heat on U.S. companies -.**  
**Thornton, Jeannye**  
U.S. News & World Report, v98, p40(2)  
Jan 21, 1985  
CODEN: XNWRA ISSN: 0041-5537 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
WORD COUNT: 1644 LINE COUNT: 00136

**Thornton, Jeannye**  
... off shipments some years ago. South Africa now is an arms exporter.

By the same token , attacks on U.S. companies with South African business ties are blunted by the fact...

11/3,K/4 (Item 3 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2000 The Gale group. All rts. reserv.

02593455 SUPPLIER NUMBER: 03490948 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Why ethnic press is alive and growing.**  
**Thornton, Jeannye**  
U.S. News & World Report, v97, p79(2)  
Oct 29, 1984  
CODEN: XNWRA ISSN: 0041-5537 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
WORD COUNT: 1012 LINE COUNT: 00079

**Thornton, Jeannye**  
Scores of them, many **printed** in foreign languages, serve about 8 million subscribers nationwide and have an estimated readership of...

...Nobel Prize winner Isaac Bashevis Singer.

Many ethnic newspaper are highly political, and some have **links** with foreign governments. Amng the 10 chinese papers in New york are publications with financial...

11/3,K/5 (Item 4 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2000 The Gale group. All rts. reserv.

02446627 SUPPLIER NUMBER: 02976420 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**The tragedy of America's missing children.**  
**Thornton, Jeannye**  
U.S. News & World Report, v95, p63(2)  
Oct 24, 1983  
CODEN: XNWRA ISSN: 0041-5537 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
WORD COUNT: 1611 LINE COUNT: 00122

**Thornton, Jeannye**  
... Missing Children's Act requires the FBI to list missing children in a national computer, **accessible** to most police departments.

Following Senate hearings earlier this year, the Justice Department stepped up...

...argue that parents, rather than police, should keep these records.

Police also are beginning to **address** the problem of abductions by parents at a faster rate than they did in the...

11/3,K/6 (Item 1 from file: 75)  
DIALOG(R)File 75:TGG Management Contents(R)  
(c) 2000 The Gale Group. All rts. reserv.

00177786 SUPPLIER NUMBER: 16597449 (USE FORMAT 7 FOR FULL TEXT)  
**Friedman's money supply volatility hypothesis: some international evidence.**  
**Thornton, John**  
Journal of Money, Credit & Banking, v27, n1, p288(5)  
Feb, 1995  
ISSN: 0022-2879 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1446 LINE COUNT: 00117

**Thornton, John**

...ABSTRACT: evidence of a relationship was not found to be robust to changes in sample period. (**Printed** by permission of the publisher.)

... pointed out that these results not only contradict the Friedman

hypothesis but any other one **linking** M1 growth variability to its income velocity. For example, Mehra (1987) suggested that financial innovation...

11/3,K/7 (Item 1 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 Bell & Howell. All rts. reserv.

03225880 SUPPLIER NUMBER: 97136523 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**The strategies of foreign and foreign-assisted firms in the Russian far East: Alternatives to missing infrastructure**  
Thornton, Judith ; Mikheeva, Nadezhda N  
Comparative Economic Studies (ASE), v38 n4, p85-119  
Winter 1996  
ISSN: 0888-7233 JOURNAL CODE: ASE  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 11719

Thornton, Judith ...

TEXT:

... and self-enforcing agreements to reduce uncertainty. Russian partners contribute relationship capital. American partners provide **access** to offshore capital markets and financial infrastructure. However, agency problems abound. Investors commit resources when...

...when they attempt to hold an option to invest in the future. Russian firms gain **access** to the world market if their American partner can vouch for the quality of their...

...the Soviet-era Port Authority, local executives argued that the observed contrast in performance was **linked** to differences in ownership and governance of the two organizations.

Indeed, governance of the two...

...tracking movement of goods and assuring their timely delivery. VICS was to be a key **link** in this chain. I

In 1994, the joint venture contributed \$8.6 million in investment...

...spending \$500,000 on fiber-optics for the cranes. They rehabilitated the terminal building, limited **access** to port facilities by ...with obstacles.

II. Political Uncertainty, Missing Infrastructure, and Intrusive Regulation The Formal Structure of Business **Links**

The formal structure of business **links** adopted by Russian and U.S. partners reflects their responses to impediments in the Russian...

...bond to guarantee performance.

While high risk and weak institutional infrastructure had not deterred commercial **links** for these partners, it did deter investment (see Table 5). Many of the joint ventures...

...in-country investment. Fishing and maritime transport companies held significant capital, but, in order to **access** credit markets, claims to collateral were established on the foreign market. Joint ventures in forestry...is assisting the Russian financial market.

Reliance on concessionary financing has obvious shortcomings. Lenders with **access** to subsidized credit may have weaker incentives to monitor use of investment funds and Russian...

...the feasibility and profitability of the business activity. A RussianAmerican partnership gives the Russian partner **access** to the institutional infrastructure of the world market.

What are the goals of Russian partners...

...high levels of uncertainty and weak infrastructure of the Russian market. The Russian partners, seeking **access** to the world market, seek to

create a framework for operating in a highly uncertain...

...investment to their projects, either as passive investment or as foreign direct investment. They seek **access** to technology, training, management skills and marketing know-how that will enhance their domestic competitiveness...

...in a new market, look for Russian partners with the necessary resources, institutional base, and **access** to authorities to undertake a project in the Russian market. They enter the market for...

...telecommunications and transport), to serve a new market (consumer products and foods, equipment), to gain **access** to raw materials or resources (timber, fishing, and resources), or to serve other Asian markets ...an option to invest when the environment for investment improves.

Large multinational firms, whose regional **links** are complementary with their international networks, established regional joint ventures in an attempt to acquire...

...projects. Partners had increased incentives to avoid short-run opportunistic behavior in order to gain **access** to a long-run stream of profits.

Many self-enforcing arrangements make use of reputation...

...to build mechanisms based on reputation. In addition, executives used the relationship system to gain **access** to resources and markets and, sometimes, to restrict **access** for others.

According to American respondents in our sample, the single most important factor in...importance of political relationships serves as a barrier to young Russia professionals who lack political **access**. In the case of resource industries, such as fishing and forestry, in which governmental authorities regulate **access** to resources, American firms reported that some joint projects they attempted to initiate failed because the Russian partner was unable to get **access** to the required quotas, licenses, or rights to export.

Business Networks

In the Russian sample...

...disputes and in reducing delays in their interaction with regulatory agencies and also in gaining **access** to quotas, licenses, and approvals from central authorities.

On the other hand, less than half...

...limited to a single territory. Many of the partners, both Russian and American, had business **links** in several regional markets. Nine of the Russian firms were doing business only in Russia...

...Joint Prospects In response to weak institutional infrastructure, enterprises try to set up loose contractual **links** that will provide each side with control of assets they contribute to the project. In...

...that the assets you brought to the partnership were free of encumbrance?" In 11 cases, **verification** was provided by a law or accounting firm as a part of due diligence, in...as: TABLE 10

Evidence of Long-run Commitment

In the eyes of many Russian executives, **access** to technology and training was the crucial reason for establishing a joint project and they ...

...lack all of the non-production services of a Western firm such as marketing. Thus, **access** to American marketing and management know-how speeds their entry into the Pacific market.

There...

...they also monitored and vouched for the quality of delivered goods, thus, giving new firms **access** to international markets that would otherwise be closed to them. 15

One American timber company...contract with the Kuznetsk Metallurgical plant and provide scales to monitor shipments at Novokuznetsk. We **verify** shipments by weighing at every port.

Our biggest customers are international banks, since our certificates **verifying** quantity and quality provide the basis for their letters of credit. We provide inspection to...

...set up an outside firm to supply expensive inputs to the joint venture.

Both poor **access** to information and lack of institutional remedies figured in the high incidence of governance problems...

...as outgoing, calls, routing both through the parent company's switches, earth stations, or satellite **links** serving the rest of the Pacific market. Similarly, although the local market is unprofitable, air... property rights in what might prove to be a key node in the transport infrastructure **linking** Europe to the Pacific, but uncertainties regarding the Russian economy, its trade patterns, government policies they established **links** with an American firm with a reputation for strict monitoring of quality. In this way, new firms without a track record were able to gain immediate **access** to the world market. Russian firms were also able to gain **access** to modern technology and training if they were able to establish **links** with a large multinational firm which expected a local facility to be complementary with their...

...corporations, the survey was directed to an executive of the regional branch responsible for business **links** with Asian Russia.

5. Research on the RFE environment for business was undertaken by the ...

...Parliament, 21 February 1992, establishes a State Mineral Fund, Gosudarstvenny

Footnote:

resources, and paying for **access** to mineral rights. Administration of the State Mineral Fund is under dual control of the...

11/3,K/8 (Item 2 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 Bell & Howell. All rts. reserv.

03177633 SUPPLIER NUMBER: 97088276 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Using ProQuest Direct for do-it-yourself document delivery: A case study  
Thornton, Joyce K ; Jackson, Kathy M  
Online (ONL), v21 n2, p56-63  
Mar 1997  
ISSN: 0146-5422 JOURNAL CODE: ONL  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3267

Thornton, Joyce K ...

TEXT:

... provide delivery directly to users, without staff assistance. The Sterling C. Evans Library, already having **access** to UMI's ProQuest Direct (PQD), decided to test this system as an unmediated document...

...M NOTIS online catalog, but six had never used it.

DATABASES AVAILABLE

Evans Library has **access** to the PQD databases because of its participation in TexShare, a resource sharing cooperative effort...

...libraries received support to acquire Ariel document transmission software for the Internet and to acquire **access** to certain databases. In addition, TexShare contracted with UMI for use of PQD for document delivery. Each TexShare library received an allocation to fund **access** to PQD through its interlibrary loan service. PQD software became available in January 1996. The TexShare libraries have **access** to the following databases that can be searched as one file:

ABI/INFORM

Accounting & Tax...

...other online or CD-ROM databases. She would display the appropriate database from the databases **accessible** via NOTIS or the library's CD- ...  
FIGURE 2

They chose to print locally whenever possible. As indicated in Figure 2, students **printed** 66 articles in Text Only format, probably because it was much faster. It took three times as long to print the Page Image (bit-mapped images) format, and students **printed** only seven articles in this format. UMI's Text Only format is attractive; however, when...

...reasonable time is essential. Some articles were viewable on the monitor, but could not be **printed** on our printer.

None of the students used the Text+Graphics format. This new printing ...

...listing the specific pages.

Relevancy of Articles

Students were asked to review the articles they **printed** or ordered for relevancy. Since the students had already screened out 72 articles by viewing...

...24hour period for printing or viewing an item. That item can then be viewed or **printed** in any of the less expensive formats at no cost during the ensuing 24 hours...

...willing to negotiate with customers. Recently, UMI gave Texas A&M a quotation for unlimited **access** to the two major PQD databases (ABI/INFORM and General Periodicals Index). There would be no charge for printing or for online searching time. Libraries can gain **access** to PQD by subscribing to a group of publications, by pay-as-you-go transaction...

...for one full day, UMI's Internet provider was having problems and there was no **access** to PQD. After students kept receiving a timed out message during busy times of the...The PQD Web Tour, located at <http://www.umi.com/proquest>, states that one can **access** the Web version with Netscape Navigator 2.02 or higher, Microsoft Explorer 3.0 for...

...image files was quick. The Web version is slick. Two student assistants each found and **printed** enough material for a class paper in under 45 minutes. They both indicated that PQD...Interlibrary Services at Texas A&M, we would like to keep it, if only for **access** to very current articles. We plan to monitor the improvements UMI makes to PQD in hopes that we can expand **access** to it for remote sites, and possibly for the entire campus. Library users really do want desktop **access** to articles-not just to indexes. UMI is to be commended for being at the...

...of the authors and not Texas A&M University Communications to the authors should be **addressed** to Joyce Thornton, Executive Assistant to the Dean, and Kathy Jackson, Coordinator of Direct Services...

11/3,K/9 (Item 3 from file: 484)  
DIALOG(R) File 484:Periodical Abstracts Plustext  
(c) 1999 Bell & Howell. All rts. reserv.

03159667 SUPPLIER NUMBER: 97070310 (USE FORMAT 7 OR 9 FOR FULLTEXT)

The utility-maximizing self-employed physician

Thornton, James ; Eakin, B Kelly

Journal of Human Resources (JHR), v32 n1, p98-128

Winter 1997

ISSN: 0022-166X JOURNAL CODE: JHR

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 7517

Thornton, James ...

TEXT:

... finite variance. We estimate several alternative models of

physician labor supply behavior in order to **address** endogeneity and measurement error issues.

B. Identification of the Model

To identify the output supply...percent of the solo-practice physicians raises concern over how random the subsample is. To **address** this concern, we perform t-tests and nonparametric Wilcoxon tests to compare our sample of...

...proxy variable is subject to measurement error, and thus gives reason for some concern. We **address** this problem when estimating the labor supply equation.

B. Production Behavior

Columns 1 and 2...of assistants and medical supplies. The elasticities in Table 3 play an important role in **linking** together the production and labor supply sides of the model.

C. Labor Supply Behavior

(Table...to medical income, of more than \$10,000. We use this information to construct an **indicator** variable (Ydum = 1 if other income of more than \$10,000, Ydum = 0 otherwise) to...for auxiliaries may well increase the quality of services provided by solo practitioners, but gaining **access** to such services would likely be more difficult.

Government efforts to promote larger-size practices...

11/3,K/10 (Item 4 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 Bell & Howell. All rts. reserv.

02525001 SUPPLIER NUMBER: 95339229 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Battling carpal tunnel syndrome through ergonomics**

**Thornton, Joyce K**  
Computers in Libraries (ICLB), v15 n8, p22-25  
Sep 1995  
ISSN: 1041-7915 JOURNAL CODE: ICLB  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1940 LENGTH: Long (31+ col inches)

**Thornton, Joyce K**

TEXT:

... could be purchased.  
The staff generally felt that the library administration acted very slowly in **addressing** the issue whereas the library administration viewed the 24-month process as necessary to truly **address** CTS through purchasing equipment, developing a plan of education, and implementing training procedures.  
Net Step...  
...any systematic manner. One of each of the keyboards was placed in an office readily **accessible** to the NOTIS coordinator, the head of systems, and the ...personally witnessed the ergonomic awakening that she describes in this case study. Her e-mail **address** is jkthorn(at)tamu.edu.

11/3,K/11 (Item 5 from file: 484)  
DIALOG(R)File 484:Periodical Abstracts Plustext  
(c) 1999 Bell & Howell. All rts. reserv.

02278582 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Marching to a new war**  
Cooper, Matthew; **Thornton, Jeannye**  
US News & World Report (GUNW), v118 n9, p32-34  
Mar 6, 1995

ISSN: 0041-5537 JOURNAL CODE: GUNW  
DOCUMENT TYPE: Feature  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1577 LENGTH: Long (31+ col inches)

...Thornton, Jeannye

TEXT:

... slain civil rights leader Medgar Evers, the NAACP has found a competent manager and a **link** with its glorious past. But Evers-Williams won by only one vote. She must stand...State, County and Municipal Employees to discuss preventing repeal of regulations affecting everything from handicapped **access** to affirmative action. They communicate with "action faxes" and postings on the Internet. "I have...

11/3,K/12 (Item 1 from file: 141)  
DIALOG(R)File 141:Readers Guide  
(c) 1999 The HW Wilson Co. All rts. reserv.

03015800 H.W. WILSON RECORD NUMBER: BRGA95015800 (USE FORMAT 7 FOR FULLTEXT)

**Marching to a new war.**

Cooper, Matthew.; **Thornton, Jeannye.**

U.S. News & World Report (U S News World Rep) v. 118 (Mar. 6 '95) p. 32-4  
WORD COUNT: 1419

(USE FORMAT 7 FOR FULLTEXT)

Cooper, Matthew.; **Thornton, Jeannye.**

TEXT:

... slain civil rights leader Medgar Evers, the NAACP has found a competent manager and a **link** with its glorious past. But Evers-Williams won by only one vote. She must stand...State, County and Municipal Employees to discuss preventing repeal of regulations affecting everything from handicapped **access** to affirmative action. They communicate with "action faxes" and postings on the Internet. "I have...

11/3,K/13 (Item 1 from file: 553)  
DIALOG(R)File 553:Wilson Bus. Abs. FullText  
(c) 1999 The HW Wilson Co. All rts. reserv.

04023423 H.W. WILSON RECORD NUMBER: BWBA99023423 (USE FORMAT 7 FOR FULLTEXT)

**Measuring system fine-tunes piano engineering.**

AUGMENTED TITLE: CAD system employed by Baldwin Piano & Organ Co.

**Thornton, Jack**

R&D Magazine v. 41 no1 (Jan. 1999) p. 74-5

LANGUAGE: English

WORD COUNT: 1395

(USE FORMAT 7 FOR FULLTEXT)

**Thornton, Jack**

...ABSTRACT: could not be generated from the firm's metal templates and frequently underdimensionalized drawings. To **address** the problem, the firm bought a portable coordinate measuring machine (CMM) from Romer Inc., Carlsbad...

...The other two major roles of the CMM at Baldwin are reengineering and checking and **verifying** old drawings.

TEXT:

... cost would have been prohibitive. The portable CMM was a much better investment."

Checking and **verifying** old drawings is the CMM's third big role at Baldwin. "In some cases drawings...

...and some subassemblies did not have drawings," said Schmitt. "Data needed to be gathered to **verify** existing drawings and to recreate drawings that were missing from the files." Schmitt estimates Baldwin



Set	Items	Description
S1	1	AU=THORNTON J?
S2	771	AU=THORNTON, J?
S3	4	AU=LAMARCA, A?
S4	0	AU=LAMARCA A?
S5	136615	AUTHENTICAT? OR SATCHEL? OR TOKEN?
S6	2529134	LINK? OR POINTER? OR ADDRESS? OR INDICATOR? OR MARKER?
S7	2	(S1 OR S2 OR S3 OR S4) AND S5
S8	83	(S1 OR S2 OR S3 OR S4) AND S6
S9	19	S8 AND (VERIF? OR S5 OR ENCRYPT? OR ACCESS? OR ENCIPHER? OR ENCIPHER? OR ENCODE? OR MOBILE? OR PRINTED)
S10	21	S7 OR S9
S11	17	RD (unique items)
File	88:	Gale Group Business A.R.T.S. 1976-2000/Jan 28 (c) 2000 The Gale Group
File	15:	ABI/INFORM(R) 1971-2000/Jan 27 (c) 2000 Bell & Howell
File	16:	Gale Group PROMT(R) 1990-2000/Jan 28 (c) 2000 The Gale Group
File	9:	Business & Industry(R) Jul/1994-2000/Jan 28 (c) 2000 Resp. DB Svcs.
File	13:	BAMP 2000/Jan W3 (c) 2000 Resp. DB Svcs.
File	734:	Dayton Daily News Oct 1990- 2000/Jan 27 (c) 2000 Dayton Daily News
File	810:	Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire
File	623:	Business Week 1985-2000/Jan W4 (c) 2000 The McGraw-Hill Companies Inc
File	647:	CMP Computer Fulltext 1988-2000/Jan W3 (c) 2000 CMP
File	98:	General Sci Abs/Full-Text 1984-1999/Oct (c) 1999 The HW Wilson Co.
File	148:	Gale Group Trade & Industry DB 1976-2000/Jan 28 (c)2000 The Gale Group

11/3,K/1 (Item 1 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

02940391 SUPPLIER NUMBER: 12650615 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Education: reassessing the Commission on Undergraduate Education in the Biological Sciences. (did undergraduate biological education improve with the creation of the CUEBS?)**  
Sundberg, Marshall D.; Kormondy, Edward J.; Carter, Jack L.; Moore, John A.  
; Postlethwait, Samuel N.; Thornton, John W.  
BioScience, v42, n6, p442(6)  
June, 1992  
CODEN: BISNA ISSN: 0006-3568 LANGUAGE: English RECORD TYPE:  
Fulltext; Abstract  
WORD COUNT: 4725 LINE COUNT: 00464

...Thornton, John W.  
... effect of CUEBS on undergraduate biology instruction. Twenty years after CUEBS, biology educators are still **addressing** some, if not most, of the same fundamental issues, including the content of introductory biology ...is unknown. These self-contained instructional packages used Kodachrome slides, audiotapes, film loops, and a **printed** manuscript on provide mastery-based instruction on individual laboratory techniques and/or basic biological concepts...

11/3,K/2 (Item 2 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

02926927 SUPPLIER NUMBER: 12418287 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Virtual prices and a general theory of the owner operated firm.**  
Thornton, James ; Eakin, B. Kelly  
Southern Economic Journal, v58, n4, p1015(15)  
April, 1992  
ISSN: 0038-4038 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 7365 LINE COUNT: 00627

Thornton, James ...  
... choices result from utility maximization. A preponderance of the work performed in this area has **addressed** two theoretical issues, the consistency of utility and profit maximization and comparative static behavior of...above embodies entrepreneurial behavior and explains resources allocation. In this form it is easy to **verify** that economic and observable profit in general do not coincide and that utility maximization does...do exist, economic profit measured in terms of virtual prices may not be a consistent **indicator** of entry/exit decisions and hence resource allocation.(12) Consider a simple economy with two...

11/3,K/3 (Item 3 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

01725435 SUPPLIER NUMBER: 03608620 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**As foes of apartheid put heat on U.S. companies -.**  
Thornton, Jeannye  
U.S. News & World Report, v98, p40(2)  
Jan 21, 1985  
CODEN: XNWRA ISSN: 0041-5537 LANGUAGE: English RECORD TYPE:  
Fulltext  
WORD COUNT: 1358 LINE COUNT: 00136

Thornton, Jeannye  
... off shipments some years ago. South Africa now is an arms exporter.  
By the same **token** , attacks on U.S. companies with South African business ties are blunted by the fact...

11/3,K/4 (Item 4 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

01620988 SUPPLIER NUMBER: 03490948 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Why ethnic press is alive and growing.**

**Thornton, Jeannye**

U.S. News & World Report, v97, p79(2)

Oct 29, 1984

CODEN: XNWRA ISSN: 0041-5537 LANGUAGE: English RECORD TYPE:

Fulltext

WORD COUNT: 842 LINE COUNT: 00079

**Thornton, Jeannye**

Scores of them, many **printed** in foreign languages, serve about 8 million subscribers nationwide and have an estimated readership of...

...Nobel Prize winner Isaac Bashevis Singer.

Many ethnic newspaper are highly political, and some have **links** with foreign governments. Amng the 10 chinese papers in New york are publications with financial...

11/3,K/5 (Item 5 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2000 The Gale Group. All rts. reserv.

01522005 SUPPLIER NUMBER: 02976420 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The tragedy of America's missing children.**

**Thornton, Jeannye**

U.S. News & World Report, v95, p63(2)

Oct 24, 1983

CODEN: XNWRA ISSN: 0041-5537 LANGUAGE: English RECORD TYPE:

Fulltext

WORD COUNT: 1251 LINE COUNT: 00122

**Thornton, Jeannye**

... Missing Children's Act requires the FBI to list missing children in a national computer, **accessible** to most police departments.

Following Senate hearings earlier this year, the Justice Department stepped up...

...argue that parents, rather than police, should keep these records.

Police also are beginning to **address** the problem of abductions by parents at a faster rate than they did in the...

11/3,K/6 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
(c) 2000 Bell & Howell. All rts. reserv.

01398290 00049277

**The strategies of foreign and foreign-assisted firms in the Russian far East: Alternatives to missing infrastructure**

**Thornton, Judith ; Mikheeva, Nadezhda N**

Comparative Economic Studies v38n4 PP: 85-119 Winter 1996

ISSN: 0888-7233 JRNL CODE: ASE

WORD COUNT: 11719

**Thornton, Judith ...**

...ABSTRACT: and self-enforcing agreements to reduce uncertainty. Russian partners contribute relationship capital. US partners provide **access** to offshore capital markets and financial infrastructure. However, agency problems abound. Investors commit resources when...

... when they attempt to hold an option to invest in the future. Russian

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...the Soviet-era Port Authority, local executives argued that the observed contrast in performance was **linked** to differences in ownership and governance of the two organizations.

Indeed, governance of the two...

... tracking movement of goods and assuring their timely delivery. VICS was to be a key **link** in this chain. I

In 1994, the joint venture contributed \$8.6 million in investment...

...spending \$500,000 on fiber-optics for the cranes. They rehabilitated the terminal building, limited **access** to port facilities by ... with obstacles.

## II. Political Uncertainty, Missing Infrastructure, and Intrusive Regulation The Formal Structure of Business **Links**

The formal structure of business **links** adopted by Russian and U.S. partners reflects their responses to impediments in the Russian...

...bond to guarantee performance.

While high risk and weak institutional infrastructure had not deterred commercial **links** for these partners, it did deter investment (see Table 5). Many of the joint ventures...

... in-country investment. Fishing and maritime transport companies held significant capital, but, in order to **access** credit markets, claims to collateral were established on the foreign market. Joint ventures in forestry...is assisting the Russian financial market.

Reliance on concessionary financing has obvious shortcomings. Lenders with **access** to subsidized credit may have weaker incentives to monitor use of investment funds and Russian...

... the feasibility and profitability of the business activity. A RussianAmerican partnership gives the Russian partner **access** to the institutional infrastructure of the world market.

What are the goals of Russian partners...

... high levels of uncertainty and weak infrastructure of the Russian market. The Russian partners, seeking **access** to the world market, seek to create a framework for operating in a highly uncertain...

...investment to their projects, either as passive investment or as foreign direct investment. They seek **access** to technology, training, management skills and marketing know-how that will enhance their domestic competitiveness...

...in a new market, look for Russian partners with the necessary resources, institutional base, and **access** to authorities to undertake a project in the Russian market. They enter the market for...

... telecommunications and transport), to serve a new market (consumer products and foods, equipment), to gain **access** to raw materials or resources (timber, fishing, and resources), or to serve other Asian markets

...an option to invest when the environment for investment improves.

Large multinational firms, whose regional **links** are complementary with their international networks, established regional joint ventures in an attempt to acquire...

... projects. Partners had increased incentives to avoid short-run opportunistic behavior in order to gain **access** to a long-run stream of profits.

Many self-enforcing arrangements make use of reputation...

... to build mechanisms based on reputation. In addition, executives used the relationship system to gain **access** to resources and markets and, sometimes, to restrict **access** for others.

According to American respondents in our sample, the single most important factor in... importance of political relationships serves as a barrier to young Russia professionals who lack political **access**. In the case of resource industries, such as fishing and forestry, in which governmental authorities regulate **access** to resources, American firms reported that some joint projects they attempted to initiate failed because the Russian partner was unable to get **access** to the required quotas, licenses, or rights to export.

#### Business Networks

In the Russian sample...

... disputes and in reducing delays in their interaction with regulatory agencies and also in gaining **access** to quotas, licenses, and approvals from central authorities.

On the other hand, less than half...

... limited to a single territory. Many of the partners, both Russian and American, had business **links** in several regional markets. Nine of the Russian firms were doing business only in Russia...

... Joint Prospects In response to weak institutional infrastructure, enterprises try to set up loose contractual **links** that will provide each side with control of assets they contribute to the project. In...

...that the assets you brought to the partnershi were free of encumbrance?" In 11 cases, **verification** was provided by a law or accounting firm as a part of due diligence, in...as: TABLE 10

#### Evidence of Long-run Commitment

In the eyes of many Russian executives, **access** to technology and training was the crucial reason for establishing a joint project and they...

... lack all of the non-production services of a Western firm such as marketing. Thus, **access** to American marketing and management know-how speeds their entry into the Pacific market.

There...

... they also monitored and vouched for the quality of delivered goods, thus, giving new firms **access** to international markets that would otherwise be closed to them. 15

One American timber company... contract with the Kuznetsk Metallurgical plant and provide scales to monitor shipments at Novokuznetsk. We **verify** shipments by weighing at every port.

Our biggest customers are international banks, since our certificates **verifying** quantity and quality provide the basis for their letters of credit. We provide inspection to...

...set up an outside firm to supply expensive inputs to the joint venture.

Both poor **access** to information and lack of institutional remedies figured in the high incidence of governance problems...

... as outgoing, calls, routing both through the parent company's switches, earth stations, or satellite **links** serving the rest of the Pacific market. Similarly, although the local market is unprofitable, air... property rights in what might prove to be a key node in the transport infrastructure **linking** Europe to the Pacific, but uncertainties regarding the Russian economy, its trade patterns, government policies **links** with an American firm with a reputation for strict monitoring of quality. In this way, new firms without a track record were able to gain immediate **access** to the world market. Russian firms were also able to gain **access** to modern technology and training if they were able to establish **links** with a large multinational firm which expected a local facility to be complementary with their...

... corporations, the survey was directed to an executive of the regional branch responsible for business **links** with Asian Russia.

5. Research on the RFE environment for business was undertaken by the...

... Parliament, 21 February 1992, establishes a State Mineral Fund, Gosudarstvennyl

Footnote:

resources, and paying for **access** to mineral rights. Administration of the State Mineral Fund is under dual control of the...

11/3,K/7 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
(c) 2000 Bell & Howell. All rts. reserv.

01384558 00-35545

Using ProQuest Direct for do-it-yourself document delivery: A case study  
Thornton, Joyce K ; Jackson, Kathy M  
Online v21n2 PP: 56-63 Mar/Apr 1997  
ISSN: 0146-5422 JRNL CODE: ONL  
WORD COUNT: 3267

Thornton, Joyce K ...

ABSTRACT: The Sterling C. Evans Library, already having **access** to UMI's ProQuest Direct (PQD), decided to test this system as an unmediated document...

... was not useful for their research topics. Students were asked to review the articles they **printed** or ordered for relevancy. Since the students had already screened out 72 articles by viewing...

...TEXT: provide delivery directly to users, without staff assistance. The Sterling C. Evans Library, already having **access** to UMI's ProQuest Direct (PQD), decided to test this system as an unmediated document...

...M NOTIS online catalog, but six had never used it.

DATABASES AVAILABLE

Evans Library has **access** to the PQD databases because of its participation in TexShare, a resource sharing cooperative effort...

... libraries received support to acquire Ariel document transmission software for the Internet and to acquire **access** to certain databases. In addition, TexShare contracted with UMI for use of PQD for document delivery. Each TexShare library received an allocation to fund **access** to PQD through its interlibrary loan service. PQD software became available in

January 1996. The TexShare libraries have **access** to the following databases that can be searched as one file:

ABI/INFORM

Accounting & Tax...

... other online or CD-ROM databases. She would display the appropriate database from the databases **accessible** via NOTIS or the library's CD- ...

FIGURE 2

They chose to print locally whenever possible. As indicated in Figure 2, students **printed** 66 articles in Text Only format, probably because it was much faster. It took three times as long to print the Page Image (bit-mapped images) format, and students **printed** only seven articles in this format. UMI's Text Only format is attractive; however, when...

... reasonable time is essential. Some articles were viewable on the monitor, but could not be **printed** on our printer.

None of the students used the Text+Graphics format. This new printing...

...listing the specific pages.

Relevancy of Articles

Students were asked to review the articles they **printed** or ordered for relevancy. Since the students had already screened out 72 articles by viewing...

... 24hour period for printing or viewing an item. That item can then be viewed or **printed** in any of the less expensive formats at no cost during the ensuing 24 hours...

... willing to negotiate with customers. Recently, UMI gave Texas A&M a quotation for unlimited **access** to the two major PQD databases (ABI/INFORM and General Periodicals Index). There would be no charge for printing or for online searching time. Libraries can gain **access** to PQD by subscribing to a group of publications, by pay-as-you-go transaction...

... for one full day, UMI's Internet provider was having problems and there was no **access** to PQD. After students kept receiving a timed out message during busy times of the... The PQD Web Tour, located at <http://www.umi.com/proquest>, states that one can **access** the Web version with Netscape Navigator 2.02 or higher, Microsoft Explorer 3.0 for...

... image files was quick. The Web version is slick. Two student assistants each found and **printed** enough material for a class paper in under 45 minutes. They both indicated that PQD...Interlibrary Services at Texas A&M, we would like to keep it, if only for **access** to very current articles. We plan to monitor the improvements UMI makes to PQD in hopes that we can expand **access** to it for remote sites, and possibly for the entire campus. Library users really do want desktop **access** to articles-not just to indexes. UMI is to be commended for being at the...

... of the authors and not Texas A&M University Communications to the authors should be **addressed** to Joyce Thornton, Executive Assistant to the Dean, and Kathy Jackson, Coordinator of Direct Services...

11/3,K/8 (Item 3 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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01373936 00-24923

The utility-maximizing self-employed physician

Thornton, James ; Eakin, B Kelly

Journal of Human Resources v32n1 PP: 98-128 Winter 1997

ISSN: 0022-166X JRNL CODE: JHR

WORD COUNT: 7517

Thornton, James ...

...TEXT: finite variance. We estimate several alternative models of physician labor supply behavior in order to **address** endogeneity and measurement error issues.

#### B. Identification of the Model

To identify the output supply...percent of the solo-practice physicians raises concern over how random the subsample is. To **address** this concern, we perform t-tests and nonparametric Wilcoxon tests to compare our sample of...

... proxy variable is subject to measurement error, and thus gives reason for some concern. We **address** this problem when estimating the labor supply equation.

#### B. Production Behavior

Columns 1 and 2...of assistants and medical supplies. The elasticities in Table 3 play an important role in **linking** together the production and labor supply sides of the model.

#### C. Labor Supply Behavior

(Table... to medical income, of more than \$10,000. We use this information to construct an **indicator** variable ( $Y_{dum} = 1$  if other income of more than \$10,000,  $Y_{dum} = 0$  otherwise) to...for auxiliaries may well increase the quality of services provided by solo practitioners, but gaining **access** to such services would likely be more difficult.

Government efforts to promote larger-size practices...

11/3,K/9 (Item 4 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00852800 95-02192

**Life insurance, imminent death and accelerated benefits**

Huntley, Kennes C; Poe, Stephen L; Thornton, John H

Journal of the American Society of CLU & ChFC v48n3 PP: 84-96 May 1994

ISSN: 0742-9517 JRNLCODE: CLU

WORD COUNT: 9041

.. Thornton, John H

...TEXT: living benefits," and "long-term care" continues.(3) Before 1989, accelerated death benefits traditionally were **linked** only to long-term care plans. Typically, this meant nursing home or home care coverage...was in effect), the effect of policy loans outstanding at the inception of accelerated benefits, **access** to policy cash values after exercise of the accelerated benefit provision, and the net effect... benefit as an actuarially-computed benefit, thus making the benefit unaffected by existing loans.

OWNER **ACCESS** TO POLICY CASH VALUE AFTER EXERCISE OF ACCELERATED DEATH BENEFIT PROVISION

If an actuarially adequate...

...face amount, or to use part or all of the cash value, the owner's **access** to cash value should be reduced upon exercise of the option.

As Figure 6 shows... a life insurance contract under Section 7702 of the Internal Revenue Code.(47)

Several proposals **addressing** this issue have also been introduced in Congress, but none have been enacted to date...supra note 2. Of DeLuca's five concerns, all but the tax issue have been **addressed** in the Model Regulation and by many of the state statutes and regulations.



(22) Society...

11/3,K/10 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00765669 94-15061

**Imminent death and accelerated benefits: The regulatory environment**  
Poe, Stephen L; Huntley, Kennes C; Thornton, John H  
Journal of Insurance Regulation v12n1 PP: 28-56 Fall 1993  
ISSN: 0736-248X JRNL CODE: JIA  
WORD COUNT: 9366

.. Thornton, John H

...TEXT: earliest, which originated with Canadian life insurance companies, was to allow terminally ill insureds to **access** a portion of their life insurance death benefit on a case-by-case basis to...

...type of benefit. Although some long-term care plans provided accelerated benefits, these typically were **linked** to home or home care coverage, which potentially was available for a "long-term." Also...

...Regulation has been followed by many states that have passed statutes or regulations that have **addressed** this topic. (See, for example, CN, 1991, Secs 38a-457-1 to 38-457-11...a lien against the policy death benefit. If this option is taken, the owner's **access** to the policy's cash value may be restricted to the amount by which cash...in Table 2, many states had not yet adopted any statute or regulation that specifically **addressed** the acceleration of death benefits triggered solely by terminal illness or other types of imminent...than those it is supposed to protect.

On the other hand, allowing the insured unrestricted **access** to the death benefit would make selling the policy to such a firm unnecessary, and...

...s proceeds would be available to help support the insured's family after death. Such **access** would also permit the insured to pay more of his or her medical expenses and...option as a condition of receiving state aid and from taking an applicant's potential **access** to such funds into account in determining his or her eligibility for such aid.(11...

... 11021; New York Social Services Law, 1991, sec 366.) These requirements allow the insured full **access** to any public assistance for which he or she is eligible, which lessens the need...

...after death.

One other problem, common to many of the states, is the failure to **address** how receipt of accelerated benefits should be treated for state income tax purposes. Although receipt...

...sickness (NAIC, 1991 Proceedings, Vol. IA, p 591-592).

The failure of most states to **address** this issue is not particularly surprising since there currently seems to be no clear indication...

11/3,K/11 (Item 6 from file: 15)  
DIALOG(R)File 15:ABI/INFORM(R)  
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00646482 92-61422

**Russian Industry and Air Pollution What Do the Official Data Show?**  
Thornton, Judith ; Hagan, Andrea  
Comparative Economic Studies v34n2 PP: 19-37 Summer 1992  
ISSN: 0888-7233 JRNL CODE: ASE  
WORD COUNT: 5778

Thornton, Judith ...

...TEXT: stations around the USSR. (4)

According to the Gidromet handbooks, the organization supervised stationary and **mobile** monitoring stations in 532 cities in the former Soviet Union, including 324 cities in Russia...It is not at all clear to what extent we can use these numbers as **indicators** of either absolute or relative pollution.

To investigate what, if anything, might be reflected in...

11/3,K/12 (Item 1 from file: 13)  
DIALOG(R)File 13:BAMP  
(c) 2000 Resp. DB Svcs. All rts. reserv.

01049886 00939062 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Using **ProQuest Direct for Do-It-Yourself Document Delivery**  
(Texas A&M University's Sterling C Evans Library tested UMI's ProQuest  
Direct as an unmediated document delivery supplier) .  
Article Author(s): Jackson, Kathy M; **Thornton, Joyce K**  
Online Magazine, v 21, n 2, p 56-63  
March 1997  
DOCUMENT TYPE: Journal; Guideline ISSN: 0146-5422 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 4031

(USE FORMAT 7 OR 9 FOR FULLTEXT)  
...Article Author(s): **Thornton, Joyce K**

TEXT:

...provide delivery directly to users, without staff assistance. The Sterling C. Evans Library, already having **access** to UMI's ProQuest Direct (PQD), decided to test this system as an unmediated document...

...M NOTIS online catalog, but six had never used it.  
DATABASES AVAILABLE

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...libraries received support to acquire Ariel document transmission software for the Internet and to acquire **access** to certain databases. In addition, TexShare contracted with UMI for use of PQD for document delivery. Each TexShare library received an allocation to fund **access** to PQD through its interlibrary loan service. PQD software became available in January 1996. The Tex-Share libraries have **access** to the following databases that can be searched as one file:

ABI/INFORM

Accounting & Tax...Citation  
and/or Abstract

25	13.7%	\$0.00
\$0.00	n/a	\$0.00

**Printed** Locally

Text	66	36.3%	\$0.00
	\$0.00	\$0.00	\$0.00

Image 7...

...UMI did not charge to view or print abstracts or citations if an article was **printed** by UMI. Citations or abstracts **printed** or viewed and later ordered through Infostore were charged.

\*\* These totals include charges for abstract...

...other online or CD-ROM databases. She would display the appropriate database from the databases **accessible** via NOTIS or the library's CD-ROM LAN. For example, she directed the group...

...22 items).

They chose to print locally whenever possible. As indicated in Figure 2, students **printed** 66 articles in Text Only format, probably because it was much faster. It took three times as long to print the Page Image (bit-mapped images) format, and students **printed** only seven articles in this format. UMI's Text Only format is attractive; however, when...

...reasonable time is essential. Some articles were viewable on the monitor, but could not be **printed** on our printer.

#### FIGURE 3

##### Age of Articles

<4 >years	10%	
<=3 months	15%	
<3...0.00		
If Text not Viewed	\$1.50	\$1.50
	\$0.00	\$0.00

##### Text

##### **Printed** Locally

##### Citation

If <b>Printed</b> Text, or Image	\$0.00	\$0.00
Nothing Else <b>Printed</b>	\$0.50	\$0.50
Text	\$4.00	\$0.00
Image	\$9.75	\$6.75
Faxed...		

...1 per there after

#### Relevancy of Articles

Students were asked to review the articles they **printed** or ordered for relevancy. Since the students had already screened out 72 articles by viewing...

...hour period for printing or viewing an item. That item can then be viewed or **printed** in any of the less expensive formats at no costs during the ensuing 24 hours...

...willing to negotiate with customers. Recently, UMI gave Texas A&M a quotation for unlimited **access** to the two major PQD databases (ABI/INFORM and General Periodicals Index). There would be no charge for printing or for online searching time. Libraries can gain **access** to PQD by subscribing to a group of publications, by pay-as-you-go transaction...

...for one full day, UMI's Internet provider was having problems and there was no **access** to PQD. After students kept receiving a timed out message during busy times of the...The PQD Web Tour, located at <http://www.umi.com/proquest>, states that one can **access** the Web version with Netscape Navigator 2.02 or higher, Microsoft Explorer 3.0 for...

...image files was quick. The Web version is slick. Two student assistants each found and **printed** enough material for a class paper in under 45 minutes. They both indicated that PQD...library Services at Texas A&M, we would like to keep it, if only for **access** to very current articles. We plan to monitor the improvements UMI makes to PQD in hopes that we can expand **access** to it for remote sites, and possibly for the entire campus. Library users really do want desktop **access** to articles--not just to indexes. UMI is to be commended for being at the...

...article beginning on page 73 of this issue. --SBj

Communications to the authors should be **addressed** to Joyce Thornton, Executive Assistant to the Dean, and Kathy Jackson, Coordinator of Direct Services...

11/3,K/13 (Item 1 from file: 98)  
DIALOG(R)File 98:General Sci Abs/Full-Text  
(c) 1999 The HW Wilson Co. All rts. reserv.

03295232 H.W. WILSON RECORD NUMBER: BGS196045232 (USE FORMAT 7 FOR FULLTEXT)

**Dioxin data contested.**

Howlett, C. T. "Kip"

Shaner, Hollie; Thornton, Joe

Public Health Reports (Public Health Rep) v. 111 (Nov./Dec. '96) p. 473-5

SPECIAL FEATURES: bibl ISSN: 0033-3549

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

WORD COUNT: 2419

(USE FORMAT 7 FOR FULLTEXT)

Shaner, Hollie; Thornton, Joe

TEXT:

... Public Health Reports, raised some important issues regarding dioxin that many of us have been **addressing** for some time now. Unfortunately, the author's premature "misdiagnosis" of the problem advocates a...

...the treatment could worsen the health of those seeking medical attention. Individuals will not have **access** to a wide range of chlorine-related products. In the interest of scientific inquiry, I...

...of people who will not be able to afford health care or might not have **access** to chlorine-related products such as prescription and over-the-counter drugs; test kits and...

11/3,K/14 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2000 The Gale Group. All rts. reserv.

09317217 SUPPLIER NUMBER: 19028400 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Structural change in the Russian Far East: the implications for trade and factor markets.**

Thornton, Judith

Atlantic Economic Journal, v24, n3, p208(20)

Sep, 1996

ISSN: 0197-4254 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4960 LINE COUNT: 00452

Thornton, Judith

... also assume that the economy is relatively autarkic and that producers and consumers cannot gain **access** to improved terms of trade on the world market. In the domestic economy, raw materials...in the region.

Beginning in 1988, the Gorbachev reforms began to give some producers direct **access** to the world market. Table 4 shows that the share of direct trade grew rapidly...the world market, frequently with an undervaluation of exports.

After 1992, Russian firms enjoyed greater **access** to the international market. However, until mid 1995, export of strategic products, including all the...

11/3,K/15 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2000 The Gale Group. All rts. reserv.

08339606 SUPPLIER NUMBER: 17799726 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**From model to mold. (creating molds with CAM software) (includes related articles on client tips and rapid prototyping) (Technology Information)**

Thornton, Jack

Computer Graphics World, v18, n11, p26(4)

Nov, 1995

ISSN: 0271-4159

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 3001

LINE COUNT: 00240

**Thornton, Jack**

... of specialized, mostly small CAD/CAM firms focused on mold making and, one by one **addressed** its challenges. Now even the biggest CAM vendors, hungry for revenue, have belatedly recognized the...methods to test-drive tool paths, ensuring worry-free, and therefore fast, machining with "NC **verification**";

\* CAD-based routines that graphically compare the geometry used to create molds with data from...

...tool paths together to run small pieces of programs for corner clean-outs or for **linking** up stages in rough-machining of the steel mold blocks. This means computerized machine tools...

11/3,K/16 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2000 The Gale Group. All rts. reserv.

08212191 SUPPLIER NUMBER: 17546679 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Battling carpal tunnel syndrome through ergonomics; a case study of Texas A&M's library provides insights and answers.**

**Thornton, Joyce K.**

Computers in Libraries, v15, n8, p22(4)

Sep, 1995

ISSN: 1041-7915

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2090

LINE COUNT: 00173

**Thornton, Joyce K.**

... could be purchased.

The staff generally felt that the library administration acted very slowly in **addressing** the issue whereas the library administration viewed the 24-month process as necessary to truly **address** CTS through purchasing equipment, developing a plan of education, and implementing training procedures.

Next Step...

...any systematic manner. One of each of the keyboards was placed in an office readily **accessible** to the NOTIS coordinator, the head of systems, and the NOTIS operator. A second set...personally witnessed the ergonomic awakening that she describes in this case study. Her e-mail **address** is jkthorn@tamu.edu.

Notes

(1.) James M. Kusack, "The Light at the End of...

11/3,K/17 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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07712903 SUPPLIER NUMBER: 16597449 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Friedman's money supply volatility hypothesis: some international evidence.**

**Thornton, John**

Journal of Money, Credit & Banking, v27, n1, p288(5)

Feb, 1995

ISSN: 0022-2879

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1468

LINE COUNT: 00117

**Thornton, John**

...ABSTRACT: evidence of a relationship was not found to be robust to changes in sample period. (**Printed** by permission of the publisher.)

... pointed out that these results not only contradict the Friedman hypothesis but any other one **linking** M1 growth variability to its income velocity. For example, Mehra (1987) suggested that financial innovation...

Set	Items	Description
S1	718812	PRINT? OR IMPRINT? OR EMOSS? OR EMBED? OR WATERMARK?
S2	9331	TOKEN? OR AUTHENTICAT?
S3	54214	GLYPH? OR DATAGLYPH? OR BARCODE? OR BAR()CODE? OR OCR OR M-ACHINE()READABLE
S4	391184	ACCESS? OR SECURITY()DATA OR PRICING OR LEGAL()RESTRICTION? OR RATING? OR LOCATION?
S5	66	(TWO OR 2 OR MULTIPLE OR MULTI OR SECOND) (2N) (PART? ? OR ASPECT? OR ATTRIBUTE?) (S)TOKEN?
S6	387299	PAPER? OR HARD() (COPY OR COPIES) OR HARDROP?
S7	358807	POINTER? OR ADDRESS? OR TAG? ? OR INDICATOR? OR MARKER?
S8	90020	S1(S)S6
S9	87	S2 AND S8
S10	16	S9 AND (S3 OR S4 OR S7)
S11	0	S9 AND S5
S12	0	S8 AND S5
S13	2	S5 AND (S1 OR S6)
S14	18	S10 OR S13
S15	0	PAPER()DOCUMENT()SATCHEL?
S16	1	(S1 OR S6) (3N) (EMBED? OR INTERNAL? OR INCORPORAT? OR INTEGRAL?) (3N) (SOFTWARE? OR OBJECT?) AND S2
S17	19	S14 OR S16
S18	19	IDPAT (sorted in duplicate/non-duplicate order)
S19	19	IDPAT (primary/non-duplicate records only)

File 344:Chinese Patents ABS Apr 1985-2000/Jan  
(c) 2000 European Patent Office

File 347:JAPIO OCT 1976-1999/SEP(UPDATED 991229)  
(c) 1999 JPO & JAPIO

File 351:DERWENT WPI 1963-2000/UD=, UM=, & UP=200004  
(c) 2000 Derwent Info Ltd

19/5/1 (Item 1 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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012869256 \*\*Image available\*\*  
WPI Acc No: 00-041089/200004  
XRPX Acc No: N00-031184

**Operating system protection method for protecting embedded system software**

Patent Assignee: NOKIA MOBILE PHONES LTD (OYNO )  
Inventor: VALLI T

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 962850	A2	19991208	EP 99660086	A	19990524	G06F-001/00	200004 B

Priority Applications (No Type Date): FI 981232 A 19980601

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
EP 962850	A2	E	7			

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 962850 A2

NOVELTY - The integrity of **software** in an **embedded** system is verified by hardware using a security circuit that may be integrated in the same microchip with the processor. A security circuit reads (404) certain portions of program code from program memory, and calculates (405) one or more identifiers in accordance with an algorithm. The identifiers are compared (406) to correct identifiers, and system use is enabled (408) if the identifiers match.

DETAILED DESCRIPTION - The method involves protecting an operating program in an embedded system. At least one identifier is calculated on the basis of the operating program code located in program memory, in accordance with an algorithm using secret code as operands. The identifier obtained is compared to a correct identifier. The secret code is stored in hardware, and the identifier calculation and comparison (404-406) are carried out substantially by means of hardware. INDEPENDENT CLAIMS are included for an embedded system.

USE - Protecting **embedded** system **software** against misuse.

ADVANTAGE - Misuse of **embedded** system **software** is more difficult than in systems using fully or partially software-based protection. Standard circuits are used as program memory circuits. Software integrity calculation does not require that large programs be transferred to processor and back.

DESCRIPTION OF DRAWING(S) - The drawing shows an example of **software authentication** according to the invention.

pp; 7 DwgNo 4/5

Title Terms: OPERATE; SYSTEM; PROTECT; METHOD; PROTECT; EMBED; SYSTEM; SOFTWARE

Derwent Class: T01

International Patent Class (Main): G06F-001/00

File Segment: EPI

19/5/2 (Item 2 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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012379302 \*\*Image available\*\*  
WPI Acc No: 99-185409/199916  
XRPX Acc No: N99-136354

**Secret mark printed paper used for preparation of certificate, valuable policy - is coated with fluorescent agent**

Patent Assignee: KOBAYASHI KIROKUSHI KK (KOBAN)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
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JP 11034564 A 19990209 JP 97212499 A 19970722 B42D-015/10 199916 B

Priority Applications (No Type Date): JP 97212499 A 19970722

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
JP 11034564	A		4				

Abstract (Basic): JP 11034564 A

NOVELTY - A secret **authentication** mark (2) such as character, figure or **barcode** is **printed** in white ink on **paper** (1) coated with a fluorescent agent. DETAILED DESCRIPTION - INDEPENDENT CLAIM is also included for a method of reading secret marks.

USE - For preparation of certificates, a valuable policy, record books in forgery prevention application.

ADVANTAGE - Prevents forgery. DESCRIPTION OF DRAWING(S) - The diagram shows a paper coated with fluorescent agent. (1) Paper coated with fluorescent agent; (2) Secret **authentication** mark.

Dwg.1/3

Title Terms: SECRET; MARK; **PRINT** ; **PAPER** ; PREPARATION; CERTIFY; VALUABLE ; COATING; FLUORESCENT; AGENT

Derwent Class: P75; P76; T04; T05

International Patent Class (Main): B42D-015/10

International Patent Class (Additional): B41M-003/14; G06K-001/12;

G06K-007/12; G06K-019/10

File Segment: EPI; EngPI

19/5/3 (Item 3 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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012294226 \*\*Image available\*\*

WPI Acc No: 99-100332/199909

XRPX Acc No: N99-073397

Printed material for duplication prevention and authentication of paper - consists of several conducting and non-conducting portions on specific portions of paper, such that position of each portion is different relative to printed character and drawing of paper

Patent Assignee: DAINIPPON PRINTING CO LTD (NIPQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat	No	Kind	Date	Main IPC	Week
JP 10329464	A	19981215	JP 97157348	A	19970602	B42D-015/10		199909 B

Priority Applications (No Type Date): JP 97157348 A 19970602

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
JP 10329464	A		8				

Abstract (Basic): JP 10329464 A

NOVELTY - Based on **printed** character and figure on **paper** , several conducting portion and a non-conducting portion (14,15) are provided on specific portions of a **paper** (1). The position of each conducting and non-conducting portion is different relative to the position of **printed** character and drawing in the **paper** . A numerical or an OCR character **printing** row (11) having a mixture of both readable and non-readable characters are also provided. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) Authenticity judging method of **paper** ; (2) **Paper** authenticity judging apparatus with OCR .

USE - For duplication prevention and **authentication** of paper.

ADVANTAGE - Since positional relationship of conducting and non-conducting portions are predefined relative to **printer** matter, duplication of **printed** matter is very difficult. Inclusion of readable and non-readable OCR characters in **printed** matter makes duplication process further difficult. **Authentication** is done reliably since it is done based on position of conducting region of **paper** . DESCRIPTION OF DRAWING(S) - The figure is explanatory diagram



of the **printed** matter. (1) **Paper** ; (11) Numerical or OCR character row; (14) Conducting portion; (15) Non-conducting portion.

Dwg.1/9

Title Terms: **PRINT** ; MATERIAL; DUPLICATE; PREVENT; AUTHENTICITY; **PAPER** ;  
CONSIST; CONDUCTING; NON; CONDUCTING; PORTION; SPECIFIC; PORTION; **PAPER**  
; POSITION; PORTION; RELATIVE; **PRINT** ; CHARACTER; DRAW; **PAPER**

Derwent Class: P75; P76; P84; S06

International Patent Class (Main): B42D-015/10

International Patent Class (Additional): B41M-003/14; G03G-021/04

File Segment: EPI; EngPI

19/5/4 (Item 4 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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012187715 \*\*Image available\*\*

WPI Acc No: 98-604628/199851

XPX Acc No: N98-471516

**Printing control system for e.g. laser printer, inkjet printer - prints data file linked to file shown on display panel of client computer by transmitting only received job token**

Patent Assignee: TOKYO ELECTRIC CO LTD (TODK )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 10275064	A	19981013	JP 97108456	A	19970425	G06F-003/12	199851 B

Priority Applications (No Type Date): JP 9720325 A 19970203

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 10275064	A		36			

Abstract (Basic): JP 10275064 A

The system uses a receiving unit (4) to receive job **tokens** consisting of e.g. **address** for **printing** data stored in data file of client computer (2), size of **paper** on which data is to be **printed** , number of **printed** copies. The data file which should be **printed** from a server (1) are acquired by a data file acquisition unit (5) based on the received job **token** . An autonomous **printing** unit (7) **prints** the data included in the received **token** and the acquired file.

The data file of the server has a hypertext structure, which means that only the received **token** is transmitted to the printing unit when printing files other than the file currently shown on the display panel of the client computer. The printing unit then prints the file linked to the displayed file.

ADVANTAGE - Offers faster printing speed. Simplifies user operation and reduces operating burden on client computer. Reduces time required to maintain printer driver. Prevents deletion of moving image data, thus improving data expressing capability during printing.

Dwg.1/40

Title Terms: PRINT; CONTROL; SYSTEM; LASER; PRINT; PRINT; PRINT; DATA; FILE  
; LINK; FILE; DISPLAY; PANEL; CLIENT; COMPUTER; TRANSMIT; RECEIVE; JOB;

**TOKEN**

Derwent Class: P75; T01; T04

International Patent Class (Main): G06F-003/12

International Patent Class (Additional): B41J-005/30; B41J-029/38;

G06F-013/00

File Segment: EPI; EngPI

19/5/5 (Item 5 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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011894221 \*\*Image available\*\*

WPI Acc No: 98-311131/199827

XRFX Acc No: N98-243925

**Secure shared user printing and mail box system with remote printers - includes automatic locking system locking printer access door until authorised jam clearance access code is input for actuating automatic locking system**

Patent Assignee: XEROX CORP (XERO )

Inventor: CHARLAND T D; MANDEL B P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
US 5752697	A	19980519	US 96659551	A	19960606	B65H-039/10	199827 B

Priority Applications (No Type Date): US 96659551 A 19960606

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
US 5752697	A		6			

Abstract (Basic): US 5752697 A

The system includes an automatic locking system electronically locking a **printer access** door, when **printing hard copies**. Due to locking of the door, the **access** of an internal **printer paper** path is prevented. The automatic locking system releases the door lock when the **hard copies** have reached the mail boxes and when there is no sheet jam sensing signal.

The locking system maintains the locked state of the door, if a sheet jam sensing system indicates a sheet jam in the internal **printer paper** path. The locking of the door is maintained until an authorised jam clearance **access** code is input.

ADVANTAGE - Improves confidentiality in printing of documents to great extent. Improves **authentication** property and security.

Dwg.1/1

Title Terms: SECURE; SHARE; USER; PRINT; MAIL; BOX; SYSTEM; REMOTE; PRINT; AUTOMATIC; LOCK; SYSTEM; LOCK; PRINT; **ACCESS** ; DOOR; AUTHORISE; JAM; CLEARANCE; **ACCESS** ; CODE; INPUT; ACTUATE; AUTOMATIC; LOCK; SYSTEM

Derwent Class: Q36; T01

International Patent Class (Main): B65H-039/10

File Segment: EPI; EngPI

19/5/6 (Item 6 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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011855271

WPI Acc No: 98-272181/199824

XRFX Acc No: C98-085022

XRFX Acc No: N98-213647

**Organic solvent based inks for invisible marking by ink jet printing - comprise a suitable organic solvent and at least one polyester including a copolymerised near infrared fluorophore**

Patent Assignee: EASTMAN CHEM CO (EACH )

Inventor: ESCANO N Z; KRUTAK J J; WEAVER M A

Number of Countries: 078 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9818871	A1	19980507	WO 97US19251	A	19971027	C09D-011/12	199824 B
US 5990197	A	19991123	US 9629172	A	19961028	C09D-011/02	200002
			WO 97US19251	A	19971027		
			US 98981805	A	19980105		
AU 9850867	A	19980522	AU 9850867	A	19971027	C09D-011/12	199840
EP 934370	A1	19990811	EP 97913753	A	19971027	C09D-011/12	199936
			WO 97US19251	A	19971027		

Priority Applications (No Type Date): US 9629172 A 19961028; US 98981805 A 19980105

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9818871	A1	E	44			

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZW

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG ZW

US 5990197 A Provisional US 9629172  
Based on WO 9818871  
AU 9850867 A Based on WO 9818871  
EP 934370 A1 E Based on WO 9818871

Designated States (Regional): BE DE FR GB IT

Abstract (Basic): WO 9818871 A

(1) An ink composition comprises: (a) 1-10 wt.% of a non-sulpho containing, organic solvent soluble polyester having 0.1ppm - 10 wt.% of a thermally stable near infrared fluorophore co-polymerised therein; (b) 1-5 wt.% of a cellulose ester and/or condensed phenolic resin; (c) 0.01-0.5 wt.% of a corrosion inhibitor; (d) 0.50-1.0 wt.% of an organic solvent soluble electrolyte; and (e) at least one 3-6C aliphatic ketone and/or at least one 3-6C aliphatic ester. (2) An ink composition comprises: (a) 1-10 wt.% of at least one non-sulpho containing organic solvent soluble polyester having 0.1 ppm - 10 wt.% of at least one thermally stable near infrared fluorophore copolymerised therein; (b) 1-5 wt.% of an organic solvent polymeric binder resin selected from condensed phenolic, polyketones, polyamides, and polyurethanes; (c) 0.01-5 wt.% of a corrosion inhibitor; (d) 0.50-1.0 wt.% of an organic soluble electrolyte; and (e) an organic solvent comprising at least 40 wt.% of at least one lower aliphatic alcohol and up to 60 wt.% of a 3-6C aliphatic ketone and/or a 3-6C aliphatic ester.

USE - The ink compositions provide intelligible near infrared fluorescent markings that are virtually invisible to the human eye on the surface of articles for identification, **authentication**, sorting, etc.. They are particularly useful for printing **bar codes** over white or coloured backgrounds. The inks can be used for ink jet printing (claimed) by the piezoelectric drop-on-demand method and by several available continuous ink jet printing systems.

ADVANTAGE - The ink compositions are suitable not only for **printing** on porous materials, e.g. **paper**, wood, etc., but also for **printing** on non-porous substrates, e.g. glossy **paper**, glass, metal, plastics. etc.. The inks are fast drying and provide markings which are tough enough to resist scuffing, scraping, rubbing, etc..

Dwg.0/0

Title Terms: ORGANIC; SOLVENT; BASED; INK; INVISIBLE; MARK; INK; JET; PRINT  
; COMPRISE; SUIT; ORGANIC; SOLVENT; ONE; POLYESTER; COPOLYMERISE;  
INFRARED; FLUOROPHORE

Derwent Class: A23; A97; E23; G02; P75; T04

International Patent Class (Main): C09D-011/02; C09D-011/12

International Patent Class (Additional): B41M-005/00; C08F-020/00;

C08G-063/16; C08G-063/20; C08G-069/00; C08K-003/30; C08L-067/02;

G01D-011/00; G01N-021/76

File Segment: CPI; EPI; EngPI

19/5/7 (Item 7 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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011562127

WPI Acc No: 97-538608/199750

XRAM Acc No: C97-172357

XRPX Acc No: N97-448247

**Security ink compositions, for authentication of security materials, e.g. stamps - comprising Surface Enhanced Resonance Raman Scattering active solutions**

Patent Assignee: CIBA SPECIALTY CHEM HOLDING INC (CIBA ); UNIV STRATHCLYDE (UYST ); CIBA SPECIALITY CHEM HOLDING INC (CIBA ); CIBA SPECIALTY CHEM CORP (CIBA ); CIBA SPECIALTY CHEM HOLDINGS INC (CIBA )

Inventor: FRASER I F; MACPHERSON I A; MUNRO C H; SMITH W E; WHITE P C;

WILSON S K

Number of Countries: 017 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 806460	A1	19971112	EP 97303035	A	19970502	C09D-011/02	199750 B
AU 9719994	A	19971113	AU 9719994	A	19970502	C09D-011/02	199803
ZA 9704021	A	19980128	ZA 974021	A	19970509	C09D-000/00	199810
JP 10067952	A	19980310	JP 97118544	A	19970509	C09D-011/00	199820
CA 2204801	A	19971110	CA 2204801	A	19970508	C09D-011/00	199822
CZ 9701394	A3	19980513	CZ 971394	A	19970507	C09D-005/32	199825
BR 9703119	A	19980825	BR 973119	A	19970512	C09D-011/02	199840
KR 97074878	A	19971210	KR 9717793	A	19970509	C09D-011/02	199848
US 5853464	A	19981229	US 97854009	A	19970508	C09B-067/50	199908

Priority Applications (No Type Date): GB 969793 A 19960510

Cited Patents: DE 2839501; WO 9111492

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
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EP 806460	A1	E	6			
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Designated States (Regional): CH DE DK ES FR GB IT LI NL

ZA 9704021	A		14			
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JP 10067952	A		6			
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Abstract (Basic): EP 806460 A

Inks containing a Surface Enhanced Resonance Raman Scattering (SERRS) active solution are claimed.

Preparation of SERRS active solutions comprises reducing a soluble precursor of the metal and adding the coding compound during the reduction. The SERRS active solution is prepared from silver, gold, copper or aluminium (especially, silver) and contains a coding compound which exhibits a characteristic Raman spectrum and has a similar electronic absorption frequency to the SERRS plasmon resonance frequency. The preferred coding compound is poly (L-lysine) with copper phthalocyanine sulphonic acid.

USE - Inks containing the solutions are useful for **printing** on security documents and other items which need to be **authenticated**, e.g. **paper** and rag **paper**, preferably currency-grade **paper**, plastic-coated or laminated **paper**, and plastics, e.g. bank-card-grade PVC, or plastic **paper**, non-woven plastic **paper**, including banknotes, banknote thread, currency, travellers' cheques, bonds, certificates, stamps, lottery tickets, ownership documents, passports, identity cards, credit cards, charge cards, **access** cards, smart cards, brand **authentication** labels and **tags**, and tamper proof labels. The SERRS active solutions can be included in electro-photographic toners, matrix or daisy-wheel **printer** inks, and non-impact **printing** media, optionally blended with a polymer and bonded other than in an ink; may be deposited in a single area or a series of areas; optionally **printed** in a coded pattern; and may be used in hidden security coding inks.

ADVANTAGE - The compositions are robust, selective and molecularly specific and provide quick and easy identification by SERRS, which allows more precise identification of each species and sensing of a number of different well defined coding compounds in one system. The sensitivity is so great that unique, easily distinguished signals can be obtained from inks which contain so little of the specially prepared SERRS active solution that these inks are otherwise indistinguishable from clear varnish. An additional advantage of using an aggregation agent is modification of the surface charge of the SERRS active metal colloid, enabling a wider range of coding compounds to be used.

Dwg.0/0

Title Terms: SECURE; INK; COMPOSITION; AUTHENTICITY; SECURE; MATERIAL; STAMP; COMPRISE; SURFACE; ENHANCE; RESONANCE; RAMAN; SCATTERING; ACTIVE; SOLUTION

Index Terms/Additional Words: BANKNOTE; CHEQUES; CERTIFICATES; TICKETS; DOCUMENTS; PASSPORTS; CARDS; **AUTHENTICATION**

Derwent Class: A97; E23; G02; P75

International Patent Class (Main): C09B-067/50; C09D-000/00; C09D-005/32; C09D-011/00; C09D-011/02

International Patent Class (Additional): B41M-003/14; C09C-001/62;  
C09C-003/00; C09C-003/08  
File Segment: CPI; EngPI

19/5/8 (Item 8 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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010896703 \*\*Image available\*\*  
WPI Acc No: 96-393654/199639  
XRPX Acc No: N96-331679

**Enabling data file sender to authenticate alleged printout of data file produced after transmission - generating signature code unique to sender and file, registering signature code and data file identifier in secure register accessible only by sender and printing identifier on all printouts**

Patent Assignee: HUGHES J C (HUGH-I)  
Inventor: HUGHES J C  
Number of Countries: 020 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9625812	A1	19960822	WO 96AU70	A	19960212	H04L-009/00	199639 B
AU 9646152	A	19960904	AU 9646152	A	19960212	H04L-009/00	199705
			WO 96AU70	A	19960212		

Priority Applications (No Type Date): AU 951235 A 19950217  
Cited Patents: EP 532381; EP 676877; US 5157726; US 5388158; US 5432618  
Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
WO 9625812	A1	E	18				
Designated States (National): AU CA GB JP US							
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE							

AU 9646152 A Based on WO 9625812

Abstract (Basic): WO 9625812 A

The method enabling a sender of a data file to **authenticate** an alleged printout of the data file produced after transmission of the data file from the sender to a recipient involves generating a signature code that is unique to the sender and the data file. An entry, including at least the signature code and an identifier of the data file, is registered in a secure and uneditable register only by the sender. The signature code is entered into the data file before transmitting the file to the recipient.

Preferably, the data file includes the signature code before is validated before the file is transmitted. A DSA algorithm is using a private key and a public key allocated to the sender are used to validate the data file by use in the form of a digital signature.

USE/ADVANTAGE - **Authentication** of document that is allegedly **hard copy printout** of data file following transmission of data file.

Dwg.1/1

Title Terms: ENABLE; DATA; FILE; SEND; AUTHENTICITY; DATA; FILE; PRODUCE; AFTER; TRANSMISSION; GENERATE; SIGNATURE; CODE; UNIQUE; SEND; FILE; REGISTER; SIGNATURE; CODE; DATA; FILE; IDENTIFY; SECURE; REGISTER; **ACCESS** ; SEND; PRINT; IDENTIFY

Derwent Class: T01; W01  
International Patent Class (Main): H04L-009/00  
File Segment: EPI

19/5/9 (Item 9 from file: 351)  
DIALOG(R)File 351:DERWENT WPI  
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010246354 \*\*Image available\*\*  
WPI Acc No: 95-147609/199519

Related WPI Acc No: 96-384694

XRPX Acc No: N95-115844

**Authentication system for discriminating articles marked with fluorescent substance - detects modulated light with broad frequency range reflected off article and compares with reference pattern to determine whether match occurs**

Patent Assignee: ANGSTROM TECHNOLOGIES INC (ANGS-N); LIANG L H (LIAN-I);

MARINELLO D A (MARI-I); RYAN W J (RYAN-I); WRAY D L (WRAY-I)

Inventor: LIANG L H; MARINELLO D A; RYAN W J; WRAY D L

Number of Countries: 010 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9509499	A1	19950406	WO 94US10802	A	19940923	H04L-009/00	199519 B
US 5418855	A	19950523	US 93127250	A	19930927	H04L-009/00	199526
EP 721717	A1	19960717	EP 94928655	A	19940923	H04L-009/00	199633
			WO 94US10802	A	19940923		

Priority Applications (No Type Date): US 93127250 A 19930927

Cited Patents: US 3624644; US 4736425; US 4756557; US 4833311; US 4891505;

US 4921280; US 4921534; US 5118349

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
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WO 9509499	A1	E	35			
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Designated States (National): CA JP

Designated States (Regional): CH DE FR GB IT LI LU

US 5418855	A		14			
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EP 721717	A1	E	35	Based on		
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WO 9509499

Designated States (Regional): CH DE FR GB IT LI LU

Abstract (Basic): WO 9509499 A

The system comprises a source of electromagnetic radiation in at least the ultraviolet, visible and infrared spectral ranges with in arrangement for modulating the electromagnetic radiation (20) at a frequency of more than 50 KHz. The fluorescent light (70) is synchronously detected at the modulation frequency to produce an analog signal. A conversion circuit converts the analogue signal into a first digital signal.

The first digital signal is compared with a predetermined signal to within a predetermined tolerance. A signal is generated indicating a positive **authentication** result when the two signals agree to within the tolerance, otherwise the signal indicates a negative **authentication** result. A driver circuit energises the light source at a predetermined frequency.

USE/ADVANTAGE - Fluorescent substances can be used as dyes when **printing** to use **paper** etc. for valuable documents. Article alignment or sorting. Simple set up, calibration and operation.

Dwg.4/6

Title Terms: AUTHENTICITY; SYSTEM; DISCRIMINATE; ARTICLE; MARK; FLUORESCENT ; SUBSTANCE; DETECT; MODULATE; LIGHT; BROAD; FREQUENCY; RANGE; REFLECT; ARTICLE; COMPARE; REFERENCE; PATTERN; DETERMINE; MATCH; OCCUR

Derwent Class: T05

International Patent Class (Main): H04L-009/00

File Segment: EPI

19/5/10 (Item 10 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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009996114 \*\*Image available\*\*

WPI Acc No: 94-263825/199432

XRPX Acc No: N94-207586

**Coin-less slot game machine e.g. pinball machine, including printer - has input associated with paper currency recognition appts., memory storing amount of credit, and device for generating bar- code of permanent record of winnings**

Patent Assignee: MGM GRAND INC (MGMG-N)

Inventor: BURNS J G; MAXEY R R

Number of Countries: 044 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 9416781	A1	19940804	WO 94US457	A	19940121	A63B-071/06	199432 B
AU 9460273	A	19940815	AU 9460273	A	19940121	A63B-071/06	199444
EP 639998	A1	19950301	EP 94906622	A	19940121	A63B-071/06	199513
			WO 94US457	A	19940121		
JP 7505079	W	19950608	JP 94517097	A	19940121	A63F-005/04	199531
			WO 94US457	A	19940121		
ES 2073387	T1	19950816	EP 94906622	A	19940121	A63B-071/06	199539
EP 639998	A4	19950809	EP 94906622	A	19940000	A63B-071/06	199618

Priority Applications (No Type Date): US 937742 A 19930122

Cited Patents: DE 3406058; US 4689742; DE 3441518; EP 150103; EP 555565; US 4494197; US 4575622

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
WO 9416781	A1	E	27			
Designated States (National): AU BB BG BR BY CA CZ FI HU JP KP KR KZ LK MG MN MW NO NZ PL RO RU SD SK UA VN						
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL OA PT SE						
AU 9460273	A			Based on		WO 9416781
EP 639998	A1	E		Based on		WO 9416781
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE						
JP 7505079	W		12	Based on		WO 9416781
ES 2073387	T1			Based on		EP 639998

Abstract (Basic): WO 9416781 A

The gaming appts. comprises a slot machine (200) capable of accepting either **paper** currency, **pre-printed** coupons, or cash-out slips. The slot machine also comprises a **printer** (208) that **prints** and dispenses cash out slips which include a **bar code** representing a unique identification that provides the amount of winnings. The cash out slips can be scanned into a separate currency dispenser at a cashier's station (300) for receiving currency, either from the dispenser or from an attendant.

A central processing unit (100) generates the unique codes for regulating the game to be played, the wager limits of the game and the validity of the free play coupons or the cash out ticket.

ADVANTAGE - Avoids having to use coins or **tokens** to operate machine.

Dwg.1/5

Title Terms: COIN; LESS; SLOT; GAME; MACHINE; PINBALL; MACHINE; **PRINT** ; INPUT; ASSOCIATE; **PAPER** ; CURRENCY; RECOGNISE; APPARATUS; MEMORY; STORAGE; AMOUNT; CREDIT; DEVICE; GENERATE; **BAR -CODE** ; PERMANENT; RECORD; WINNING

Derwent Class: P36; T01; T04; T05; W04

International Patent Class (Main): A63B-071/06; A63F-005/04

File Segment: EPI; EngPI

19/5/11 (Item 11 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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008808354 \*\*Image available\*\*

WPI Acc No: 91-312366/199143

XRAM Acc No: C91-135256

XRPX Acc No: N91-239417

**Security paper for currency with authentication indicia - printed inside laminated layers, visible in transmitted light, with thermosetting polyacrylic adhesive**

Patent Assignee: CROWN PAPER CO (CROW-N); DETRICK R W (DETR-I); JAMES RIVER CORP (JAME ); JAMES RIVER CORP VIRGINIA (JAME )

Inventor: DETRICK R W; PATTERSON R; ROBINSON K W

Number of Countries: 017 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 453131	A	19911023	EP 91302977	A	19910404		199143 B
BR 9101477	A	19911126					199201
CA 2040298	A	19911013					199202
JP 4222297	A	19920812	JP 9177925	A	19910410	D21H-021/40	199239
US 5161829	A	19921110	US 90507792	A	19900412	B42D-015/00	199248
			US 90549420	A	19900706		
			US 92845791	A	19920309		
EP 453131	A3	19920429	EP 91302977	A	19910404		199329

Priority Applications (No Type Date): US 90549420 A 19900706; US 90507792 A 19900412; US 92845791 A 19920309

Cited Patents: NoSR.Pub; EP 226367; EP 229645; EP 279880; EP 319157; FR 2448983; LU 42796; WO 8203713

#### Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
EP 453131	A					

Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE

JP 4222297 A 10

US 5161829 A 12 Cont of US 90507792  
Cont of US 90549420

#### Abstract (Basic): EP 453131 A

Security paper comprises two layers of paper (10, 16) laminated together having an **authentication indicator** (24 or 27) on the inner surface (12 or 18) of layer(s), the **indicator** imperceptible in the paper in reflected light.

Pref. **authentication indicator** is detectable in the **paper** using transmitted radiation in (non-)visible spectrum or magnetically. The **indicator** is esp. a detectable universal prod. code. The inner surfaces of the two layers of **paper** are affixed together using adhesive (26) which has greater resistance to chemical, thermal, and mechanical degradation than the layers. It is a thermosetting adhesive, esp. a carboxylated polymer, thermosetting acrylic, or N-methylol acrylamide interpolymer, and most pref. has pigment or a dye. The light scattering, absorption reflectance, transmission characteristics, colour, and optical characteristics of the layers, **authentication indicator**, and adhesive are such that the **indicator** is detectable in transmitted light but imperceptible in the **paper** in reflected light of visible wavelength. The **indicator** is esp. fluorescent, fluorescing in uv light. **Paper** layer(s) also has dye or pigment. The **authentication indicator** comprises indicia **printed** with ink on the inner surface of layer(s) of **paper**. More pref., indicia are **printed** on the inner surfaces of both **papers** in media. The two types of indicia esp. comprise a **watermark** and an oil or chemical treatment which may be in the form of a half-tone design, a stripe at a predetermined distance from an edge of the **paper**, or optically readable characters.

USE/ADVANTAGE - Used as currency, stock and bond certificates, passports, invoices, labels, or any paper item which may be subject to forgery due to inherent value. The **authentication** indicia are only detectable in transmitted light, e.g., by holding the paper up to a window, and not in reflected light and are therefore not reproducible using photocopiers and optical scanners.

Dwg.1/4

Title Terms: SECURE; **PAPER**; CURRENCY; AUTHENTICITY; INDICIA; **PRINT**; LAMINATE; LAYER; VISIBLE; TRANSMIT; LIGHT; THERMOSETTING; POLYACRYLIC; ADHESIVE

Derwent Class: A97; F09; P73; P75; P76; P78

International Patent Class (Main): B42D-015/00; D21H-021/40

International Patent Class (Additional): B32B-029/04; B41M-003/14;

B42D-015/10; B44F-001/12; D21H-021/48; D21H-027/30; D21H-027/32

File Segment: CPI; EngPI

19/5/12 (Item 12 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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007267182

WPI Acc No: 87-264189/198737

XRPX Acc No: N87-197848

**Credit card imprinter authorisation terminal - has microprocessor and memory to control operation of terminal and transaction printer**

Patent Assignee: DATA CARD CORP (DATA-N)

Inventor: STARK D A

Number of Countries: 014 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
WO 8705414	A	19870911	WO 87US281	A	19870209		198737 B
EP 261169	A	19880330	EP 87901856	A	19870209		198813
US 4775784	A	19881004	US 86832164	A	19860226		198842
JP 63502937	W	19881027	JP 87501417	A	19870209		198849
CA 1265617	A	19900206					199010

Priority Applications (No Type Date): US 86832164 A 19860226

Cited Patents: US 4031518; FR 2407518; GB 2035642; SSR880817; US 3818187

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
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WO 8705414	A	E	18				
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Designated States (National): JP

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 261169	A	E					
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

US 4775784	A		8				
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Abstract (Basic): WO 8705414 A

The terminal includes a keyboard (26) to enable an operator to enter credit card transaction related information which is then shown on a display (28). A reader (30) obtains credit card information stored on the card and a printer (32) is included for credit card transaction related information. A microprocessor is provided to control operation of the keyboard, display, reader and printer and a communicator electronically transfers data between the microprocessor and a remote processing location .

An imprinter device (24) is used to imprint a transaction document with the credit card data.

ADVANTAGE - Not only **imprint** card data but also provide **paper** record of each transaction and card **authenticating** capabilities.

1/5

Title Terms: CREDIT; CARD; IMPRINT; AUTHORISE; TERMINAL; MICROPROCESSOR; MEMORY; CONTROL; OPERATE; TERMINAL; TRANSACTION; PRINT

Derwent Class: P76; T01; T04; T05

International Patent Class (Additional): B42D-015/02; G06F-003/00;

G06F-005/00; G06F-015/21; G06K-005/00; G07F-007/08

File Segment: EPI; EngPI

19/5/13 (Item 13 from file: 351)

DIALOG(R)File 351:DERWENT WPI

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003957412

WPI Acc No: 84-102956/198417

XRPX Acc No: N84-076435

**Composite promotional voucher sheet - has folded paper sheet with transparent film defining pockets viewable from exterior**

Patent Assignee: HOLMES & MARCHANT (HOLM-N)

Inventor: COATES D

Number of Countries: 008 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 105760	A	19840418	EP 83306011	A	19831004		198417 B
GB 2130527	A	19840606	GB 8228284	A	19821004		198423
GB 2130527	B	19860723					198630
US 4643451	A	19870217	US 85729478	A	19850501		198709

Priority Applications (No Type Date): GB 8310776 A 19830421; GB 8228284 A 19821004; US 85729478 A 19850501

Cited Patents: GB 1540639; US 3032904; US 4237947

Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
EP 105760	A	E	21			

Designated States (Regional): BE DE FR GB IT NL

Abstract (Basic): GB 2130527 A

A promotional coupon or voucher, consisting of (a) a first sheet of **paper** or card with one overall dimension between 2.5 and 6 inches (63 and 153mm) and the overall dimension at right angles thereto between 1.25 and 3.5 inches (32 and 89mm), having on a first surface a body of **printed** information this first sheet extending beyond the edges of (b) a second sheet of transparent **paper** or film secured flat against the second surface thereof by continuous or discontinuous lines of adhesive located directly between the adjacent faces of the two sheets (i) at or near edges of the transparent sheet, so as to leave one edge unadhered and (ii) along the sheet at right angles to the unadhered edge to define a plurality of pockets each open at the same end; the second surface of the first sheet having **printing** or other indicia to indicate the **location** of the opening of and/or the function of, the said pockets; the promotional coupon or voucher further having a fold indication **printed** on the first sheet, passing close to, or immediately at the opening of said pockets and defining with an adjacent first sheet edge a marginal region narrower than the pocket depth from the opening, the marginal region being adhesive-coated whereby upon folding the first sheet along the fold line the pockets can be sealed with contents still visible.

EP 105760 A

The promotional voucher has a sheet of **paper** (1) with a length of between 2.5 and 6 inches and a width of between 1.25 and 3.5 inches. It has a body of **printed** information on one surface, and extends at least up to the periphery of a second sheet (4). The two sheets are connected via lines of adhesive (8) located directly between the faces of the sheets to define a pocket (7).

The second surface of the first sheet has printed indicia to indicate the **location** of the opening of, and/or the function of, the pocket. The second sheet leaves the pocket contents visible.

1/4

Title Terms: COMPOSITE; PROMOTE; VOUCHER; SHEET; FOLD; PAPER; SHEET; TRANSPARENT; FILM; DEFINE; POCKET; VIEW; EXTERIOR

Derwent Class: P75; P85

International Patent Class (Additional): B41L-001/20; B41L-043/00;

G09D-003/02; G09F-001/00; G09F-003/18; G09F-023/10

File Segment: EngPI

19/5/14 (Item 14 from file: 351)

DIALOG(R) File 351:DERWENT WPI

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003607258

WPI Acc No: 83-F5456K/198317

XRPX Acc No: N83-072196

Validation system for signature on transmitted message - uses memory at receiver to recover signature from secret coded transmitted information

Patent Assignee: CII-HONEYWELL BULL (SELA )

Inventor: MOLLIER J; SAADA C

Number of Countries: 009 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 77238	A	19830420	EP 82401752	A	19820928		198317 B
FR 2514593	A	19830415					198320
EP 77238	B	19860205					198606
DE 3268974	G	19860320					198613

Priority Applications (No Type Date): FR 8119090 A 19811009

Cited Patents: EP 21401; EP 35448; 1.Jnl.Ref

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
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EP 77238	A	F	24				
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Designated States (Regional): CH DE FR GB IT LI NL SE

EP 77238	B	F					
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Designated States (Regional): CH DE FR GB IT LI NL SE

Abstract (Basic): EP 77238 A

A transmission unit comprises a keyboard coupled to a memory with an inaccessible section containing the secret code for a person while the **accessible** section contains a computer program for a signature. A processor processes the program and accepts message data from the keyboard to pass the results to circuits to combine the message and signature. The message is coded for transmission to a receiver via a transmission line.

The message is received by circuits which reconstitute it into its original form for display on a VDU. An I/O interface permits **printing** of the message on **paper**. A processor **accesses** data in a memory and **authenticates** the signature by computing the secret key of the transmitter of the message from data prerecorded in a control card. A circuit compares the two signatures to issue a validation signal for an **indicator**.

Title Terms: VALID; SYSTEM; SIGNATURE; TRANSMIT; MESSAGE; MEMORY; RECEIVE; RECOVER; SIGNATURE; SECRET; CODE; TRANSMIT; INFORMATION

Derwent Class: W01

International Patent Class (Additional): G06K-005/00; H04L-009/00;

H04Q-009/00

File Segment: EPI

19/5/15 (Item 15 from file: 347)

DIALOG(R)File 347:JAPIO

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06144532 \*\*Image available\*\*

PAPER MONEY **AUTHENTICATION** DEVICE

PUB. NO.: 11-086072 [JP 11086072 A]

PUBLISHED: March 30, 1999 (19990330)

INVENTOR(s): ROSS GARY A  
MEERAN SHEIK

APPLICANT(s): NCR INTERNATL INC

APPL. NO.: 10-188715 [JP 98188715]

FILED: July 03, 1998 (19980703)

PRIORITY: 9714083 [GB 9714083], GB (United Kingdom), July 04, 1997  
(19970704)

INTL CLASS: G07D-007/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a device which automatically **authenticates paper** money.

SOLUTION: The **paper** money **authentication** device for bank notes 1 uses **bar codes** **printed** on the surfaces of the bank notes 1 with fluorescent ink. The **bar codes** are read out by conveying the **paper** money through a read station 4, where a ultraviolet-ray lamp 5 lights up the **paper** money 1 to make information in **bar code** form **printed** on the **paper** money fluoresce and a photodiode 9 sensing the wavelength of the fluorescence detects it. An additional read station may be provided so as to surely read the codes regardless of the direction where the **paper** money are conveyed and which edge of each **paper** money comes first. The output of the photodiode can be supplied to a neural network so as to support a read of an old and dirty **paper** money in addition to the detection of a forged **paper** money.

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19/5/16 (Item 16 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06059529 \*\*Image available\*\*  
PRINTING -PROCESSING APPARATUS

PUB. NO.: 11-001032 [JP 11001032 A]  
PUBLISHED: January 06, 1999 (19990106)  
INVENTOR(s): KAWADA TETSUO  
APPLICANT(s): FUJI XEROX CO LTD  
APPL. NO.: 09-153500 [JP 97153500]  
FILED: June 11, 1997 (19970611)  
INTL CLASS: B41J-005/30; B41J-029/38; G06F-003/12; H04N-001/00;  
H04N-001/40

#### ABSTRACT

PROBLEM TO BE SOLVED: To enable high-speed and resource-saving processing of **printing** by carrying out at a hardware means a development process of conversion data corresponding to divided areas on the basis of judgment information of a plot area of **printing** data and contents of the **printing** data, and outputting the data.

SOLUTION: **Printing** data formed at a **printing** data formation part 1 are input to a word and phrase interpreting part 30 of a conversion process part 3 via a **printing** data input part 2. A **token** sliced from the **printing** data is analyzed at an intermediate data generation part 31, so that intermediate data divided in units of bands are generated. An intermediate data arrangement part 32 converts the intermediate data to data that can be processed in parallel based on areas, and stores the data in an intermediate data memory part 33. Meanwhile, a development process part 4 receives an input of configuration data from a configuration data management part 42 in accordance with a hardware configuration ID added to the intermediate data and reloads a function of a reconfigurable circuit under the control of a reconfiguration control part 41. Thereafter an output part 5 carries out **printing**. The development process is executed at high speed because of the parallel operation.

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19/5/17 (Item 17 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05874116 \*\*Image available\*\*  
PRINTING -PROCESSING APPARATUS

PUB. NO.: 10-157216 [JP 10157216 A]  
PUBLISHED: June 16, 1998 (19980616)  
INVENTOR(s): NAGAO TAKASHI  
ONozAWA YUJI  
ISHIKAWA HIROSHI  
SEKI NORIAKI  
UETOKO KOKI  
KUBOTA SATOSHI  
APPLICANT(s): FUJI XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-320244 [JP 96320244]  
FILED: November 29, 1996 (19961129)  
INTL CLASS: [6] B41J-005/30; G06F-003/12  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD:R002 (LASERS); R116 (ELECTRONIC MATERIALS -- Light Emitting

ABSTRACT

PROBLEM TO BE SOLVED: To process **printing** data including a complicate figure-plotting command described in a describing language in an optimum manner in accordance with the complexity of the **printing** data without lowering image quality.

SOLUTION: **Printing** data formed in a **printing** data-forming part 1 are input to a word-analyzing part 30 of a generating processing part 3 via a **printing** data input part 2. A **token** sliced from the **printing** data at the word-analyzing part 30 is input to an intermediate data-processing part 31. Intermediate data generated at the intermediate data-processing part 31 are input to a developing time-estimating part 5 and a developing processing part 4. When receiving the intermediate data, the developing time-estimating part 5 estimates a developing process estimation time by a weighted addition from a type and an area of each trapezoid of the intermediate data. The developing process estimation time is output to an output control part 6. The output control part 6 determines a recording speed by an output part 7 on the basis of the developing process estimation time, with starting the output part 7 to operate at the determined recording speed.

19/5/18 (Item 18 from file: 347)  
DIALOG(R) File 347:JAPIO  
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04838850 \*\*Image available\*\*  
COMMUNICATION CONTROLLER

PUB. NO.: 07-131450 [JP 7131450 A]  
PUBLISHED: May 19, 1995 (19950519)  
INVENTOR(s): NAGAI YUKA  
KUTSUWADA SATORU  
KANEKO SATOSHI  
ABE YOSHINORI  
SUZUKI SUNAO  
OHARA EIJI  
SAKAI MASAKI  
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 05-292666 [JP 93292666]  
FILED: October 28, 1993 (19931028)  
INTL CLASS: [6] H04L-009/00; H04L-009/10; H04L-009/12; H04N-001/44  
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 44.7 (COMMUNICATION -- Facsimile)  
JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD & BBD); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

ABSTRACT

PURPOSE: To perform connection between different machine types while protecting commands and **security data** of a company itself by preventing connection to an apparatus which doesn't have a legal **access** right and enciphering and transmitting data at the time of execution of the mode peculiar to the company.

CONSTITUTION: A reader part 1 which converts a document to picture data, a **printer** part 2 which outputs picture data onto recording **paper** as a visible image by a **print** instruction, and a communication controller 3 which is electrically connected to the reader part 1 and has various functions are provided. The communication controller 3 and the reader part 1 exchange a key to perform **authentication**; and in the communication of the mode peculiar to the company, it is discriminated whether a group is registered or not to decipher the data, and thereby, leakage of secret information is effectively prevented even in the communication controller 3 to which products of other companies can be connected by system standardization and which is connected to an actually open communication

line.

19/5/19 (Item 19 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04060369 \*\*Image available\*\*

**AUTHENTICATION CARD AND AUTHENTICATION SYSTEM THEREWITH**

PUB. NO.: 05-052069 [JP 5052069 A]  
PUBLISHED: March 02, 1993 (19930302)  
INVENTOR(s): TAJIMA SHINJI  
APPLICANT(s): DAINIPPON PRINTING CO LTD [000289] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 03-237013 [JP 91237013]  
FILED: August 23, 1991 (19910823)  
INTL CLASS: [5] E05B-049/00; B41M-003/06; B42D-015/10; G06K-007/12; G06K-019/10; G07F-007/08  
JAPIO CLASS: 31.9 (PACKAGING -- Other); 29.4 (PRECISION INSTRUMENTS -- Business Machines); 30.1 (MISCELLANEOUS GOODS -- Office Supplies); 45.3 (INFORMATION PROCESSING -- Input Output Units)  
JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)  
JOURNAL: Section: M, Section No. 1441, Vol. 17, No. 362, Pg. 33, July 08, 1993 (19930708)

**ABSTRACT**

PURPOSE: To provide an **authentication** card using a mark such as a **bar code** with invisible ink undiscernible by naked eyes such as ultraviolet ink as an **authentication** code and having security at a low cost and an **authentication** system using the **authentication** card.

CONSTITUTION: An ID card 8 utilized as an **authentication** card has a **paper** base material 81 and a **paper print** layer 8b, and a transparent **bar code** 82 is **printed** on the **print** layer 8b. The transparent **bar code** 82 is used as an **authentication** code. **Paper** is used as the base material, it can be manufactured at a low cost, and it has security because a transparent invisible mark is used. The ID card 8 is issued by an **authentication** code registering device 1, the code corresponding to the transparent **bar code** 82 is stored in a registered content memory device 2. The ID card inserted into the first terminal device 5 is read by a transparent **bar code** reader, and the code is **authenticated** by an **authenticating** device 4. The ID card 8 is erased by an **authentication** code erasing device 3 after it is utilized for a preset period.

Set	Items	Description
S1	103815	PRINT? OR IMPRINT? OR EMBOSS? OR EMBED? OR WATERMARK?
S2	5077	TOKEN? OR AUTHENTICAT?
S3	6806	GLYPH? OR DATAGLYPH? OR BARCODE? OR BAR()CODE? OR OCR OR M- ACHINE()READABLE
S4	168947	ACCESS? OR SECURITY()DATA OR PRICING OR LEGAL()RESTRICTION? OR RATING? OR LOCATION?
S5	91	(TWO OR 2 OR MULTIPLE OR MULTI OR SECOND) (2N) (PART? ? OR A- SPECT? OR ATTRIBUTE?) (S)TOKEN?
S6	73451	PAPER? OR HARD() (COPY OR COPIES) OR HARDCOP?
S7	115128	POINTER? OR ADDRESS? OR TAG? ? OR INDICATOR? OR MARKER?
S8	10702	S1(3N)S6
S9	35	S8(S)S2
S10	12	S9(S) (S3 OR S4 OR S7)
S11	0	S8(S)S5
S12	4	S8 AND S5
S13	16	S10 OR S12
S14	0	PAPER()DOCUMENT()SATCHEL?
S15	5	S6(3N) (EMBED? OR INTERNAL? OR INCOPRORAT? OR INTEGRAL? OR - EMBOSS?) (S)S2
S16	20	S13 OR S15
S17	19	S16 NOT AD>971124

File 348:European Patents 1978-2000/Jan W03  
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17/5/1

DIALOG(R)File 348:European Patents  
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00884309

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**Method and apparatus for rendering fontless structured documents**

**Verfahren und Vorrichtung zur Wiedergabe von schriftartfreien, strukturierten Dokumenten**

**Methode et appareil pour rendre des documents structures sans fontes**

PATENT ASSIGNEE:

XEROX CORPORATION, (219783), Xerox Square, Rochester New York 14644, (US)  
, (applicant designated states: DE;FR;GB)

INVENTOR:

Huttenlocher, Daniel P., 314 Comstock, Ithaca, NY 14850, (US)

Rucklidge, William J., 100 N. Whisman Road. No. 148, Mountain View,  
California 94043, (US)

Brown, John Seely, 1110 Waverley Street, Palo Alto, California 94301,  
(US)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhauser Anwaltssozietat (100721)  
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 809210 A2 971126 (Basic)

APPLICATION (CC, No, Date): EP 97303548 970523;

PRIORITY (CC, No, Date): US 652864 960523; US 752497 961108

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06T-009/00; G06F-017/00;

ABSTRACT EP 809210 A2

A method in which first and second representations of a document are provided, for example, by being made available on one or more server computers connected to a computer network, such as the Internet or a corporate intranet. The first and second representations are resolution-dependent structured representations and have, respectively, first and second characteristic resolutions, the second resolution being greater than the first. The first representation, but not the second, is provided in digital form to an untrusted recipient. For example, the first representation can be transmitted through the network from the server on which the first representation is available to a client computer connected to the network. The second representation is converted to a third representation of the document, the third representation being a representation in a human-readable, nondigital form. For example, the second representation can be transmitted through the network in a secure manner to a trusted printing facility connected to the network. The trusted facility can then produce the third representation, for example by **printing a hardcopy** representation of the document. Finally, the third representation, but not the second, is provided to the untrusted recipient, for example, by physically transferring the third representation to the untrusted recipient.

ABSTRACT WORD COUNT: 201

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 971126 A2 Published application (Alwith Search Report  
;A2without Search Report)

Change: 991201 A2 Legal representative(s) changed 19991014

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	9711W3	1448
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SPEC A	(English)	9711W3	18414
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Total word count - document A	19862
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Total word count - document B	0
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Total word count - documents A + B	19862
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17/5/2

DIALOG(R)File 348:European Patents

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00884308

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Method and apparatus for rendering fontless structured documents

Verfahren und Vorrichtung zur Wiedergabe von schriftartfreien,  
strukturierten Dokumenten

Methode et appareil pour rendre des documents structures sans fontes

PATENT ASSIGNEE:

XEROX CORPORATION, (219783), Xerox Square, Rochester New York 14644, (US)

, (applicant designated states: DE;FR;GB)

INVENTOR:

Huttenlocher, Daniel P., 314 Comstock, Ithaca, NY 14850, (US)

Rucklidge, William J., 100 N. Whisman Road. No. 148, Mountain View,  
California 94043, (US)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)  
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 809192 A2 971126 (Basic)

APPLICATION (CC, No, Date): EP 97303547 970523;

PRIORITY (CC, No, Date): US 652864 960523

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/00;

ABSTRACT EP.809192 A2

A processor is provided with a first set of digital information that includes a first, resolution-independent structured representation of a document. This first representation is one from which various image collections (e.g., sets of page images) can be obtained, each such image in each such collection having a characteristic resolution. From the first set of digital information, the processor produces a second set of digital information that includes a second, resolution-dependent structured representation of the document. The second structured representation is a lossless representation of a particular one of the image collections obtainable from the first structured representation, and it includes a set of tokens and a set of positions. The second set of digital information is produced by extracting the tokens from the first structured representation, and by determining the positions from the first structured representation. Each extracted token includes pixel data representing a subimage of the particular image collection. Each position is a position of a token subimage in the particular image collection. At least one of the token subimages contains multiple pixels and occurs at more than one position in the image collection. The second set of digital information thus produced can be made available for further use (e.g., distribution, transmission, storage, subsequent reconversion into page images). Applications of the invention include high-speed printing and Internet (World Wide Web) document display.

ABSTRACT WORD COUNT: 225

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 971126 A2 Published application (Alwith Search Report  
;A2without Search Report)

Change: 991201 A2 Legal representative(s) changed 19991014

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9711W3	1136
SPEC A	(English)	9711W3	16613
Total word count - document A			17749
Total word count - document B			0
Total word count - documents A + B			17749

17/5/3

DIALOG(R) File 348:European Patents

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00881377

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Security ink  
Sicherheitstinte  
Encre de securite  
PATENT ASSIGNEE:

Ciba Specialty Chemicals Holding Inc., (2199760), Klybeckstrasse 141,  
4057 Basel, (CH), (applicant designated states:  
CH;DE;DK;ES;FR;GB;IT;LI;NL)

The University of Strathclyde, (202957), 16 Richmond Street, Glasgow G1  
1XQ, (GB), (applicant designated states: CH;DE;DK;ES;FR;GB;IT;LI;NL)

INVENTOR:

Macpherson, Ian Alexander, 12 Hawick Avenue, Paisley, Renfrewshire PA2  
9LD, (GB)

Fraser, Iain Frank, 45 Stoneyholm Rd, Kilbirnie KA25 7JS, (GB)

Wilson, Sharon Kathleen, 23 Campsie Drive, Pottershill, Paisley PA2 8DP,  
(GB)

White, Peter Cyril, Sunnyside, Gartness Rd, Drymen, Glasgow G63 0NH, (GB)

Munro, Callum Hugh, Department of Chemistry, University of Pittsburgh,  
Pennsylvania, (US)

Smith, William Ewen, 32 Russell Drive, Glasgow G61 3BD, (GB)

LEGAL REPRESENTATIVE:

Sharman, Thomas (35754), Ciba Specialty Chemicals UK Limited, Patent  
Department, Hulley Road, Macclesfield, Cheshire SK10 2NX, (GB)

PATENT (CC, No, Kind, Date): EP 806460 A1 971112 (Basic)

APPLICATION (CC, No, Date): EP 97303035 970502;

PRIORITY (CC, No, Date): GB 9609793 960510

DESIGNATED STATES: CH; DE; DK; ES; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C09D-011/02; B41M-003/14;

ABSTRACT EP 806460 A1

The present invention provides an ink which contains a SERS - active  
metal aggregate containing a Raman active compound.

ABSTRACT WORD COUNT: 20

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 971112 A1 Published application (A1with Search Report  
;A2without Search Report)

Change: 980520 A1 Representative (change)

Examination: 980617 A1 Date of filing of request for examination:  
980415

Examination: 990519 A1 Date of despatch of first examination report:  
990407

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9711W1	368
SPEC A	(English)	9711W1	2520
Total word count - document A			2888
Total word count - document B			0
Total word count - documents A +B			2888

17/5/4

DIALOG(R)File 348:European Patents

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00853529

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Pigment compositions**

**Pigmentzusammensetzungen**

**Compositions pigmentaires**

PATENT ASSIGNEE:

Ciba Specialty Chemicals Holding Inc., (2199760), Klybeckstrasse 141,  
4057 Basel, (CH), (applicant designated states:  
BE;CH;DE;FR;GB;IT;LI;NL)

University of Strathclyde, (202959), 295 Cathedral Street, Glasgow G1 7XL  
, (GB), (applicant designated states: BE;CH;DE;FR;GB;IT;LI;NL)

INVENTOR:

MacPherson, Ian Alexander, 12 Hawick Avenue, Paisley, Renfrewshire, PA2

9LD, Scotland, (GB)

Fraser, Iain Frank, 45 Stoneyholm Road, Kilbirnie, KA25 7JS, Scotland,  
(GB)

White, Peter Cyril, Sunnyside, Gartness Road, Drymen, Glasgow, G63 ONH,  
Scotland, (GB)

Smith, William Ewen, 32 Russell Drive, Bearsden, Glasgow, G61 3BD,  
Scotland, (GB)

LEGAL REPRESENTATIVE:

Sharman, Thomas (35752), CIBA-GEIGY PLC. Patent Department, Central  
Research, Hulley Road, Macclesfield, Cheshire SK10 2NX, (GB)

PATENT (CC, No, Kind, Date): EP 786498 A2 970730 (Basic)

EP 786498 A3 981014

APPLICATION (CC, No, Date): EP 97300294 970117;

PRIORITY (CC, No, Date): GB 9601604 960126

DESIGNATED STATES: BE; CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C09B-067/22; C09B-067/08; C09D-011/00;

B42D-015/00; B41M-003/14;

ABSTRACT EP 786498 A2

The invention provides a pigment composition comprising a pigment  
having adsorbed on its surface, or as a physical mixture, up to 10% by  
weight, based on the total weight of pigment composition of a coding  
compound which is a compound containing an azo, azomethine or polycyclic  
chromophore and which has an absorption spectrum and a Raman spectrum  
different from that of the pigment.

The compositions are suitable for use in printing inks for security  
applications.

ABSTRACT WORD COUNT: 76

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 970730 A2 Published application (Alwith Search Report  
;A2without Search Report)

Examination: 980401 A2 Date of filing of request for examination:  
980119

Change: 980401 A2 Representative (change)

Search Report: 981014 A3 Separate publication of the European or  
International search report

Change: 981014 A2 Obligatory supplementary classification  
(change)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	9707W5	427
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SPEC A	(English)	9707W5	2048
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Total word count - document A	2475
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Total word count - document B	0
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Total word count - documents A + B	2475
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17/5/5

DIALOG(R)File 348:European Patents

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00823935

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Heat-insulating paper container and method for producing the same**

**Waermeisolierender Behaelter aus Papier und Verfahren zu seiner Herstellung**

**Recipient en papier a isolation thermique et son procede de fabrication**

PATENT ASSIGNEE:

Nihon Dixie Company Limited, (1884520), 1-13, Toranomon 4-chome,  
Minato-ku, Tokyo 105, (JP), (applicant designated states:

DE;FR;GB;IT;NL;SE)

INVENTOR:

Ishii, Kenji, 3595, Omori, Inzaimachi, Inba-gun, Chiba-ken, 270-13, (JP)

Koya, Tatsuya, 3595 Omori, Inzaimachi, Inba-gun, Chiba-ken, 270-13, (JP)

LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf Groening & Partner (100941), Maximilianstrasse 54,  
80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 765821 A1 970402 (Basic)  
APPLICATION (CC, No, Date): EP 95118230 951120;  
PRIORITY (CC, No, Date): JP 95272023 950926  
DESIGNATED STATES: DE; FR; GB; IT; NL; SE  
INTERNATIONAL PATENT CLASS: B65D-081/38; B29C-041/00;  
ABSTRACT EP 765821 A1

An improved heat-insulating paper container comprises a body member (3), and a bottom panel member (5). At least part of the outer surface of said body member (3), is coated with a paint containing 5 to 40 wt% of a synthetic resin components. The foaming of a thermoplastic synthetic resin film (10) is suppressed in that area (24) of the outer surface of said body member (3) which has been coated with said resin component containing paint whereas a foamed heat-insulating layer (11) of the thermoplastic resin film (10) is provided in the other areas of the outer surface of said body member (3).

ABSTRACT WORD COUNT: 105

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 970402 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 970709 A1 Date of filing of request for examination:  
970507  
Examination: 990428 A1 Date of despatch of first examination report:  
990316

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	589
SPEC A	(English)	EPAB97	5519
Total word count - document A			6108
Total word count - document B			0
Total word count - documents A + B			6108

17/5/6

DIALOG(R)File 348:European Patents

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00815177

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Substituted phthalocyanines**

**Substituierte Phthalocyaninen**

**Phthalocyanines substituees**

PATENT ASSIGNEE:

Ciba Specialty Chemicals Holding Inc., (2199760), Klybeckstrasse 141,  
4057 Basel, (CH), (applicant designated states:  
BE;CH;DE;DK;ES;FR;GB;IT;LI;NL)

INVENTOR:

MacPherson, Ian Alexander, 12 Hawick Avenue, Paisley, Renfrewshire, PA2  
9LD, Scotland, (GB)

Fraser, Iain Frank, 45 Stoneyholm Road, Kilbirnie, KA25 7JS , Scotland,  
(GB)

Wilson, Sharon Kathleen, 23 Campsie Drive, Pottershill, Paisley PA2 8DP,  
Scotland, (GB)

PATENT (CC, No, Kind, Date): EP 757084 A1 970205 (Basic)

APPLICATION (CC, No, Date): EP 96305094 960710;

PRIORITY (CC, No, Date): GB 9514994 950721; GB 9517421 950825

DESIGNATED STATES: BE; CH; DE; DK; ES; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: C09B-047/22; C09B-047/04; C09B-047/06;  
C07D-487/22; C09D-011/00; C07D-487/22; C07D-259/00; C07D-209/00;  
C07D-209/00; C07D-209/00

ABSTRACT EP 757084 A1

The present invention provides a phthalocyanine of Formula (1):  
wherein:

MPc is a phthalocyanine nucleus of Formula (2); in which

M is a metal atom, a chloro-metal group, an oxy-metal group or

hydrogen

X is halogen

R1) is an organic radical

R2) is H or an optionally substituted alkyl

a has an average value from 15 to 8

b has an average value from 1 to 8

a + b is from 4 to 16

ABSTRACT WORD COUNT: 77

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 970205 A1 Published application (Alwith Search Report  
;A2without Search Report)

\*Assignee: 970312 A1 Applicant (name, address) (change)

Examination: 970917 A1 Date of filing of request for examination:  
970719

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	EPAB97	242
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SPEC A	(English)	EPAB97	1313
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Total word count - document A	1555
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Total word count - document B	0
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Total word count - documents A + B	1555
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17/5/7

DIALOG(R)File 348:European Patents

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00729211

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

SECURITY THREADS HAVING AT LEAST TWO SECURITY DETECTION FEATURES AND  
SECURITY PAPERS EMPLOYING SAME

SICHERHEITSFADEN MIT ZUMINDEST ZWEI SICHERHEITSKENNZEICHEN UND  
SICHERHEITSPAPIER MIT EINEM SOLCHEN

FILS DE SECURITE COMPORTANT AU MOINS DEUX CARACTERISTIQUES DE DETECTION DE  
CETTE SECURITE ET PAPIERS FIDUCIAIRES COMPORTANT CES FILS

PATENT ASSIGNEE:

CRANE & CO., (841420), 30 South Street, Dalton Massachusetts 01226, (US),  
(Proprietor designated states: all)

INVENTOR:

CRANE, Timothy T., Route 9, Windsor, MA 01270, (US)

LEGAL REPRESENTATIVE:

TER MEER STEINMEISTER & PARTNER GbR (100061), Mauerkircherstrasse 45,  
81679 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 754126 A1 970122 (Basic)

EP 754126 B1 991222

WO 9526884 951012

APPLICATION (CC, No, Date): EP 95911747 950215; WO 95US1919 950215

PRIORITY (CC, No, Date): US 222657 940404

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

INTERNATIONAL PATENT CLASS: B42D-015/00

CITED PATENTS (EP B): EP 310707 A; EP 319157 A; WO 92/11142 A; GB 1353244 A  
; US 5176405 A

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 951220 A International application (Art. 158(1))

Application: 970122 A1 Published application (Alwith Search Report  
;A2without Search Report)

Examination: 970122 A1 Date of filing of request for examination:  
961028

Examination: 970917 A1 Date of despatch of first examination report:  
970730

Grant: 991222 B1 Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	199951	667
CLAIMS B	(German)	199951	621
CLAIMS B	(French)	199951	841
SPEC B	(English)	199951	3140
Total word count - document A			0
Total word count - document B			5269
Total word count - documents A + B			5269

17/5/8

DIALOG(R)File 348:European Patents

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00728940

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Security paper**

**Sicherheitspapier**

**Papier de securite**

PATENT ASSIGNEE:

The Wiggins Teape Group Limited, (247771), P.O. Box 88, Gateway House,  
Basing View, Basingstoke, Hampshire RG21 4EE, (GB), (applicant  
designated states: AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

Harris, Colin Austin, Stowford Lodge, Harford Road, Ivybridge, Devon PL21  
0AR, (GB)

LEGAL REPRESENTATIVE:

Norris, Richard John et al (34383), Intellectual Property Department,  
Arjo Wiggins Appleton plc, Butler's Court, Wattleton Road,  
Beaconsfield, Buckinghamshire HP9 1RT, (GB)

PATENT (CC, No, Kind, Date): EP 687771 A2 951220 (Basic)  
EP 687771 A3 970521

APPLICATION (CC, No, Date): EP 95303882 950606;

PRIORITY (CC, No, Date): GB 9411868 940614

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: D21H-027/02;

ABSTRACT EP 687771 A2

Security paper carries an intricate tactile surface profile pattern which has been imparted to the paper during its manufacture, at a stage after initial de-watering but before final drying, by passing the paper through a nip between a forming surface corresponding to the desired pattern and a backing surface. The tactile pattern is of excellent durability, and its intricacy offers a high degree of security. The tactile pattern is visible when viewed under low angle light, which facilitates verification or authentication of security documents made using the patterned paper. (see image in original document)

ABSTRACT WORD COUNT: 96

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	951220 A2	Published application (Alwith Search Report ;A2without Search Report)
Examination:	951220 A2	Date of filing of request for examination: 950612
Search Report:	970521 A3	Separate publication of the European or International search report
Change:	971112 A2	Representative (change)
*Assignee:	971112 A2	Applicant (transfer of rights) (change): Arjo Wiggins Fine Papers Limited (2370770) P.O. Box 88, Gateway House, Basing View Basingstoke, Hampshire RG21 4EE (GB) (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;NL;SE)
*Assignee:	971112 A2	Previous applicant in case of transfer of rights (change): The Wiggins Teape Group Limited (247771) P.O. Box 88, Gateway House, Basing View Basingstoke, Hampshire RG21 4EE (GB) (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;IT;LI;NL;SE)

Examination: 980107 A2 Date of despatch of first examination report:  
971119

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	373
SPEC A	(English)	EPAB95	2103
Total word count - document A			2476
Total word count - document B			0
Total word count - documents A + B			2476

17/5/9

DIALOG(R)File 348:European Patents  
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00652710

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**Security paper with color mark.**

**Sicherheitspapier mit Farbmarkierung.**

**Papier de securite portant des marques de couleur.**

PATENT ASSIGNEE:

Andric, Dragisa, (1710260), Petra Martinovica 26, YU-11030 Beograd, (YU),  
(applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

Stojanovic, Borislav, (1710370), Augusta Cesarca 29, YU-11000 Beograd,  
(YU), (applicant designated states:

AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Domtar Inc., 395 ouest, boulevard de Maisonneuve, Montreal, Quebec H3A  
1L6, (CA)

Stojanovic, Borislav, Augusta Cesarca 29, YU-11000 Beograd, (YU)

LEGAL REPRESENTATIVE:

Dost, Wolfgang, Dr.rer.nat., Dipl.-Chem. et al (3042), Patent- und  
Rechtsanwalte Bardehle . Pagenberg . Dost . Altenburg . Frohwitter .  
Geissler & Partner Postfach 86 06 20, D-81633 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 628408 A1 941214 (Basic)

APPLICATION (CC, No, Date): EP 93117589 931029;

PRIORITY (CC, No, Date): YU 93400 930608; US 136315 931019

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;  
NL; PT; SE

INTERNATIONAL PATENT CLASS: B32B-027/10; D21H-027/36; B42D-015/00;  
B41M-003/14;

ABSTRACT EP 628408 A1

A security paper is provided for incorporation in a security document,  
or other document having intrinsic value. The security paper includes a  
resinous substrate sheet (14) on which indicia (18) are printed. Paper  
sheets (12,16) are laminated on either side of the resinous substrate  
sheet using a suitable adhesive (28,30). In the laminated security paper,  
the indicia printed on the substrate sheet are undetectable when viewed  
in reflected light, but become apparent when viewed transmitted light  
within the visible spectrum. The security paper may be incorporated in a  
security document in which a set of indicia (20,22) printed on at least  
one of the outer faces of the paper sheets, such that the indicia on the  
substrate and the indicia on the document form a total image when viewed  
in transmitted light. A method for manufacturing the security paper is  
also provided.

ABSTRACT WORD COUNT: 144

LEGAL STATUS (Type, Pub Date, Kind, Text):

Assignee: 20000112 A1 Transfer of rights to new applicant: Domtar  
Inc. (253482) 395 ouest, boulevard de  
Maisonneuve Montreal, Quebec H3A 1L6 CA

Application: 941214 A1 Published application (A1with Search Report  
;A2without Search Report)

Deleted: 20000112 A1 Inventor information deleted: 19991125

Examination: 950517 A1 Date of filing of request for examination:

950315  
 Examination: 970730 A1 Date of despatch of first examination report:  
 970616  
 Assignee: 991229 A1 Transfer of rights to new applicant: Domtar  
 Inc. (253482) 395 ouest, boulevard de  
 Maisonneuve Montreal, Quebec H3A 1L6 CA  
 Stojanovic, Borislav (1710370) Augusta Cesarca  
 29 YU-11000 Beograd YU  
 Change: 991229 A1 Inventor information changed: 19991111  
 LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:  

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	1315
SPEC A	(English)	EPABF2	8571
Total word count - document A			9886
Total word count - document B			0
Total word count - documents A + B			9886

17/5/10  
 DIALOG(R)File 348:European Patents  
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00625439  
 ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348  
**Apparatus and method for processing a stream of image data in a printing  
 system.**  
**Gerat und Verfahren zur Verarbeitung einer Folge von Bilddaten in einem  
 Drucksystem.**  
**Dispositif et methode de traitement d'un flux de donnees d'image dans un  
 systeme d'impression.**  
 PATENT ASSIGNEE:  
 XEROX CORPORATION, (219783), Xerox Square, Rochester New York 14644, (US)  
 , (applicant designated states: DE;FR;GB)  
 INVENTOR:  
 Catapano, David A., 339 Hazelwood Terrace, Rochester, New York 14609,  
 (US)  
 Reilly, Paul E., 460 Collinwood Court, Santa Clara, California 95054,  
 (US)  
 Zell, Thomas B., 8048 Sky View Path, Victor, New York 14564, (US)  
 Hsu, Lillian-Liu, 135 Aspen Drive, Rochester, New York 14625, (US)  
 Baxter, Eric W., 32 Delaware Street, Rochester, New York 14607, (US)  
 Simpson, Mark F., 22451 Franklin Court, Mountain View, California 94040,  
 (US)  
 LEGAL REPRESENTATIVE:  
 Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)  
 , Maximilianstrasse 58, 80538 Munchen, (DE)  
 PATENT (CC, No, Kind, Date): EP 609975 A2 940810 (Basic)  
 EP 609975 A3 941026  
 APPLICATION (CC, No, Date): EP 94300017 940104;  
 PRIORITY (CC, No, Date): US 74 930104  
 DESIGNATED STATES: DE; FR; GB  
 INTERNATIONAL PATENT CLASS: G06K-015/00;

# ABSTRACT EP 609975 A2

A printing system for producing prints from a job represented by a stream of image data written in a page description language and having a token (256') expressed as a plurality of bits. The stream of image data is generated by and transmitted from an image data source (40,42). The printing system comprises an input section (25), communicating with the image data source (40,42), for receiving the stream of image data. The input section (25) includes an arrangement (DIF 222) for reading a block of image data to determine (227,228) the presence of the token in the block of image data. An area (72,82), communicating with the input section (25), is adapted to store the stream of image data. An arrangement, responsive to the reading means determining the presence of the token, is adapted to initiate a selected operation (262',266',270') in the printing system after the input section (25) receives a portion of



the stream of image data. A parser (60), communicating with the storage area, is adapted to parse the stream of image data to separate the stream into a plurality of image-related components. (see image in original document)

ABSTRACT WORD COUNT: 192

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 940810 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Search Report: 941026 A3 Separate publication of the European or  
International search report  
Examination: 950628 A2 Date of filing of request for examination:  
950426  
Change: 970205 A2 Representative (change)  
Examination: 980401 A2 Date of despatch of first examination report:  
980217  
Change: 980429 A2 Representative (change)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	590
SPEC A	(English)	EPABF2	7610
Total word count - document A			8200
Total word count - document B			0
Total word count - documents A + B			8200

17/5/11

DIALOG(R)File 348:European Patents

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00621762

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Apparatus and method for storing and printing image data.**

**Vorrichtung und Verfahren zum Speichern und Auslesen von Bilddaten.**

**Appareil et procede pour mise en memoire et extraire des donnees d'image.**

PATENT ASSIGNEE:

XEROX CORPORATION, (219783), Xerox Square, Rochester New York 14644, (US)  
, (applicant designated states: DE;FR;GB)

INVENTOR:

Catapano, David A., 339 Hazelwood Terrace, Rochester, New York 14609,  
(US)

Sathi, Kitty, 36 Eaglewood Circle, Pittsford, New York 14534, (US)

Zell, Thomas B., 8048 Sky View Path, Victor, New York 14564, (US)

Hsu, Lillian-Liu, 135 Aspen Drive, Rochester, New York 14625, (US)

Biondi, Mark C., 34 Rowley Street, Rochester, New York 14607, (US)

Lauria, Richard T., 637 Klem Road, Webster, New York 14580, (US)

LEGAL REPRESENTATIVE:

Hill, Cecilia Ann et al (31832), Rank Xerox Ltd Patent Department Parkway  
, Marlow Buckinghamshire SL7 1YL, (GB)

PATENT (CC, No, Kind, Date): EP 606137 A2 940713 (Basic)  
EP 606137 A3 950315

APPLICATION (CC, No, Date): EP 94300012 940104;

PRIORITY (CC, No, Date): US 72 930104

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-001/21

ABSTRACT EP 606137 A2

A printing system for making prints from a stream of image data written in a printer page description language is provided. The stream of image data includes a compressed bitmap having break entries dividing the bitmap into a plurality of image data segments. The printing system includes an arrangement for separating the compressed bitmap from the stream of image data and a boundary code catcher (BCC), which communicates with the separating arrangement, for creating a table to list the break entries of the bitmap. A memory section (72) is employed to store the bitmap with its corresponding break entry table, and a plurality of imaging channels, which communicate with the memory section,

are employed to decompress selected segments of the bitmap in parallel.  
(see image in original document)

ABSTRACT WORD COUNT: 130

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 940713 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Search Report: 950315 A3 Separate publication of the European or  
International search report  
Change: 950315 A2 International patent classification (change)  
Examination: 951108 A2 Date of filing of request for examination:  
950915  
Change: 970205 A2 Representative (change)  
Examination: 970827 A2 Date of despatch of first examination report:  
970710  
Withdrawal: 971112 A2 Date on which the European patent application  
was withdrawn: 970917

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	446
SPEC A	(English)	EPABF2	7249
Total word count - document A			7695
Total word count - document B			0
Total word count - documents A + B			7695

17/5/12

DIALOG(R) File 348:European Patents

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00574092

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Apparatus and method for decomposing a job in a printing system**

**Vorrichtung und Methode fur das Aufgliedern einer Arbeitanweisung in einem  
Duckersystem**

**Dispositif et methode de decomposition d'une directive de travail dans un  
systeme d'impression**

PATENT ASSIGNEE:

XEROX CORPORATION, (219783), Xerox Square, Rochester New York 14644, (US)  
, (applicant designated states: DE;FR;GB)

INVENTOR:

Harrington, Steven J., 76 South Main Street, Holley, New York 14470, (US)  
Hsu, Lillian-Liu, 135 Aspen Drive, Rochester, New York 14625, (US)  
Bonk, Lawrence R., 31 Deer Path, Honeoye Falls, New York 14472, (US)  
Zell, Thomas B., 8048D Sky View Path, Victor, New York 14564, (US)  
Catapano, David A., 1283 Conifer Cove Lane, Webster New York 14580, (US)  
Krist, Peter M., 52 Applewood Drive, Rochester, New York 14612, (US)  
Bryant, Richard E., 33 Timberline Drive, Penfield, New York 14526, (US)  
Legg, Ernest L., 23 James Street, Fairport, New York 14450, (US)  
Allen, Irene M., 20 Hardwood Hill Rd., Pittsford, New York 14534, (US)  
Rulli, Paul A., 474 Sherborne Road, Webster, New York 14580, (US)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)  
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 574224 A2 931215 (Basic)  
EP 574224 A3 940928

APPLICATION (CC, No, Date): EP 93304434 930608;

PRIORITY (CC, No, Date): US 898761 920612

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-015/00;

ABSTRACT EP 574224 A2

A decomposing apparatus is provided for use in a printing machine of  
the type adapted to receive a first set of information written in a  
printer page description language and a second set of information written  
in a printer page description language. The decomposing apparatus  
preferably includes: an arrangement (60) for parsing the first set of

information into a first set of image related components during a first time interval and the second set of information into a second set of image related components during a second time interval; and, an arrangement (94) for performing image related operations on selected components of the first set of image related components, the image related operations being performed on the first set of image related components during the second interval so that the image related operations can be performed on the first set of image related components substantially concurrently with the second set of information being parsed. (see image in original document) (see image in original document)

ABSTRACT WORD COUNT: 166

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 931215 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Search Report: 940928 A3 Separate publication of the European or  
International search report  
Examination: 950524 A2 Date of filing of request for examination:  
950328  
Examination: 970521 A2 Date of despatch of first examination report:  
970403  
Change: 981014 A2 Representative (change)  
Change: 990421 A2 Title of invention (German) (change)  
Change: 990421 A2 Title of invention (English) (change)  
Change: 990421 A2 Title of invention (French) (change)  
Change: 990428 A2 Title of invention (German) (change)  
Change: 990428 A2 Title of invention (English) (change)  
Change: 990428 A2 Title of invention (French) (change)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1009
SPEC A	(English)	EPABF1	5715
Total word count - document A			6724
Total word count - document B			0
Total word count - documents A + B			6724

17/5/13

DIALOG(R)File 348:European Patents

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00506120

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

SECURITY OF OBJECTS OR DOCUMENTS.

SCHUTZ FUR DOKUMENTE ODER GEGENSTANDE.

SECURITE D'OBJETS OU DE DOCUMENTS.

PATENT ASSIGNEE:

Unicate B.V., (1859430), Verlengde Hereweg 192, NL-9722 AM Groningen,  
(NL), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Tel, Teunis, Esserlaan 13, NL-9722 SK Groningen, (NL)

LEGAL REPRESENTATIVE:

van der Kloet-Dorleijn, Geertruida W.F., Drs. et al (51112), van Exter  
Polak & Charlouis B.V., P.O. Box 3241, NL-2280 GE Rijswijk, (NL)

PATENT (CC, No, Kind, Date): EP 533829 A1 930331 (Basic)  
EP 533829 B1 950524  
WO 9119614 911226

APPLICATION (CC, No, Date): EP 91912263 910614; WO 91NL98 910614

PRIORITY (CC, No, Date): NL 901368 900615

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: B42D-015/10;

CITED PATENTS (WO A): US 4218674 A; US 4682794 A; DE 1931536 A

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 930331 A1 Published application (A1with Search Report  
 ;A2without Search Report)  
 Examination: 930331 A1 Date of filing of request for examination:  
 921124  
 Change: 930901 A1 Representative (change)  
 \*Assignee: 930901 A1 Applicant (transfer of rights) (change): Tel,  
 Teunis (1663640) Esserlaan 13 NL-9722 SK  
 Groningen (NL) (applicant designated states:  
 AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)  
 Change: 930901 A1 Inventor (change)  
 Examination: 931103 A1 Date of despatch of first examination report:  
 930920  
 \*Assignee: 941228 A1 Applicant (transfer of rights) (change):  
 Unicate B.V. (1859430) Verlengde Hereweg 192  
 NL-9722 AM Groningen (NL) (applicant  
 designated states:  
 AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)  
 Change: 941228 A1 Inventor (change)  
 Grant: 950524 B1 Granted patent  
 Oppn None: 960515 B1 No opposition filed  
 LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:  

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	477
CLAIMS B	(German)	EPAB95	418
CLAIMS B	(French)	EPAB95	516
SPEC B	(English)	EPAB95	2941
Total word count - document A			0
Total word count - document B			4352
Total word count - documents A + B			4352

17/5/14

DIALOG(R)File 348:European Patents  
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00482323

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Security paper and method of manufacturing same.**

**Sicherheitspapier und Verfahren zu dessen Herstellung.**

**Papier de securite et methode pour sa fabrication.**

PATENT ASSIGNEE:

JAMES RIVER CORPORATION, (354242), Tredegar Street P.O. Box 2218,  
 Richmond VA 23217, (US), (applicant designated states:  
 AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Detrick, Richard W., 2921 W. Brigstock Road, Midlothian, Virginia 23113,  
 (US)

Robinson, Kim W., N7697 Palisades Trail, Village of Sherwood, Menasha,  
 Wisconsin 54952, (US)

Patterson, Robert, 1309 Nicolet Blvd, Neenah, Wisconsin 54956, (US)

LEGAL REPRESENTATIVE:

Cropp, John Anthony David et al (29791), MATHYS & SQUIRE 10 Fleet Street,  
 London, EC4Y 1AY, (GB)

PATENT (CC, No, Kind, Date): EP 453131 A2 911023 (Basic)  
 EP 453131 A3 920429

APPLICATION (CC, No, Date): EP 91302977 910404;

PRIORITY (CC, No, Date): US 507792 900412; US 549420 900706

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: B32B-029/04;

CITED PATENTS (EP A): WO 8203713 A; WO 8203713 A; EP 319157 A; LU 42796 A;  
 EP 279880 A; FR 2448983 A; EP 226367 A; EP 229645 A

ABSTRACT EP 453131 A2

A security paper comprising a first layer of paper having an inner  
 surface and an outer surface, a second layer of paper having an inner  
 surface and an outer surface, and an authentication indicator disposed on  
 an inner surface of at least one of said layers of paper; the inner

surfaces of said layers of paper being affixed relative to each other to form a lamination with said authentication indicator being disposed therebetween and said authentication indicator being substantially imperceptible in said security paper in reflected light of visible wavelength. In a preferred embodiment, the security paper includes two layers of paper each having predetermined mechanical properties, color and optical density. Authentication indicia are printed on the inner surface of at least one layer. The indicia are formed of a chemically, mechanically and thermally stable medium. A chemically, mechanically and thermally stable adhesive permanently adheres the inner surfaces of the layers together. The color and optical density of the layers, the color, color intensity and optical density of the medium and the color and optical density of the adhesive are chosen to render the authentication indicia substantially imperceptible in reflected light but detectable in transmitted light. (see image in original document)

ABSTRACT WORD COUNT: 203

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 911023 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Search Report: 920429 A3 Separate publication of the European or  
International search report  
Examination: 920826 A2 Date of filing of request for examination:  
920625  
Examination: 951025 A2 Date of despatch of first examination report:  
950906  
\*Assignee: 960410 A2 Applicant (transfer of rights) (change): CROWN  
PAPER CO. (2080850) 300 Lakeside Drive Oakland,  
California 94612 (US) (applicant designated  
states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)  
\*Assignee: 960410 A2 Previous applicant in case of transfer of  
rights (change): JAMES RIVER CORPORATION  
(354242) Tredegar Street P.O. Box 2218 Richmond  
VA 23217 (US) (applicant designated states:  
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)  
Withdrawal: 990324 A2 Date on which the European patent application  
was deemed to be withdrawn: 980925

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1062
SPEC A	(English)	EPABF1	5055
Total word count - document A			6117
Total word count - document B			0
Total word count - documents A + B			6117

17/5/15

DIALOG(R)File 348:European Patents

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00453769

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**OPTIMAL ERROR-DETECTING AND ERROR-CORRECTING CODE AND APPARATUS**

**KODE UND VORRICHTUNG FUR OPTIMALE FEHLERDETEKTION UND -VERBESSERUNG**

**CODE ET APPAREIL POUR LA DETECTION ET LA CORRECTION OPTIMALES D'ERREURS**

**PATENT ASSIGNEE:**

CIAS INC., (1367640), 175 West 72nd Street, Room 11F, New York, NY 10023,  
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**INVENTOR:**

STORCH, Leonard, 175 West 72nd Street Room 11F, New York, NY 10023, (US)  
VAN HAAGEN, Ernst, 175 West 72nd Street Apartment PHF, New York, NY 10023  
, (US)

**LEGAL REPRESENTATIVE:**

Hackett, Sean James (55261), MARKS & CLERK, 57-60 Lincoln's Inn Fields,  
London WC2A 3LS, (GB)

PATENT (CC, No, Kind, Date): EP 506680 A1 921007 (Basic)

EP 506680 A1 930526  
EP 506680 B1 971229  
WO 9106068 910502  
APPLICATION (CC, No, Date): EP 90916908 901010; WO 90US5644 901010  
PRIORITY (CC, No, Date): US 420101 891011  
DESIGNATED STATES: DE; FR; GB; IT; NL  
INTERNATIONAL PATENT CLASS: G06K-007/10; G06K-019/06;  
CITED PATENTS (EP A): WO 8603605 A; WO 8603605 A; GB 2140948 A; US 4024511  
A; US 4013997 A  
CITED PATENTS (WO A): US 4182481 A; US 4408121 A; US 4423318 A; US 4605846  
A; US 4641017 A; US 4659914 A; US 4707612 A; US 4810867 A; US 4822984 A;  
US 4837425 A; US 4864112 A

NOTE:

No A-document published by EPO  
LEGAL STATUS (Type, Pub Date, Kind, Text):  
Application: 921007 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 921007 A1 Date of filing of request for examination:  
920625  
Search Report: 930526 A1 Drawing up of a supplementary European search  
report: 930403  
Grant: 971229 B1 Granted patent  
Lapse: 981007 B1 Date of lapse of the European patent in a  
Contracting State: DE 980331  
Lapse: 981028 B1 Date of lapse of the European patent in a  
Contracting State: DE 980331, FR 980529  
Oppn None: 981223 B1 No opposition filed  
Lapse: 991020 B1 Date of lapse of European Patent in a  
contracting state (Country, date): DE  
19980331, FR 19980529, IT 19971229,

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9712W3	1368
CLAIMS B	(German)	9712W3	1146
CLAIMS B	(French)	9712W3	1661
SPEC B	(English)	9712W3	58490
Total word count - document A			0
Total word count - document B			62665
Total word count - documents A + B			62665

17/5/16

DIALOG(R) File 348:European Patents  
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00373425

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**Data transmission.**

**Datenubertragung.**

**Transmission de donnees.**

PATENT ASSIGNEE:

SOUTH WESTERN ELECTRICITY BOARD, (1181880), 800 Park Avenue Aztec West,  
Almondsbury Bristol, BS12 4SE, (GB), (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

Watts, David Reginald, c/o 800 Park Avenue Aztec West, Almondsbury,  
Bristol BS12 4SE, (GB)

LEGAL REPRESENTATIVE:

Calderbank, Thomas Roger et al (50122), MEWBURN ELLIS 2 Cursitor Street,  
London EC4A 1BQ, (GB)

PATENT (CC, No, Kind, Date): EP 375468 A2 900627 (Basic)  
EP 375468 A3 910206

APPLICATION (CC, No, Date): EP 89313580 891222;

PRIORITY (CC, No, Date): GB 8830058 881223

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G07F-009/02; G07F-015/00; G07F-007/00;  
G07F-007/02;

CITED PATENTS (EP A): US 4319674 A; DE 3441518 A; EP 253240 A; GB 2188467 A  
; EP 92436 A

ABSTRACT EP 375468 A2

A system for capturing data from a vending unit for an electronic token-based electricity metering system. The data capture system records transactions taking place at the vending unit (10) and relays the captured data to a remote unit e.g. a central computer (30) at a suitable time. The transmission may be accomplished via a modem (24), a telephone line (26), and a second modem (28). Data captured can include meter readings carried by the electronic token from the meter (12), and purchase data generated by the vending unit (10). The data-capture unit (18) comprises a processor connected to the vending unit (10) and the modem (24), and electronic memory for storing transaction records. While the unit is generally operated by an external power supply, it may also be provided with an internal supply as an emergency back-up.

ABSTRACT WORD COUNT: 141

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 900627 A2 Published application (A1with Search Report  
;A2without Search Report)  
\*Assignee: 901017 A2 Applicant (transfer of rights) (change): SOUTH  
WESTERN ELECTRICITY plc (1266310) 800 Park  
Avenue, Aztec West Almondsbury, Bristol BS12  
4SE (GB) (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)  
\*Assignee: 901017 A2 Previous applicant in case of transfer of  
rights (change): SOUTH WESTERN ELECTRICITY  
BOARD (1181880) 800 Park Avenue Aztec West  
Almondsbury Bristol, BS12 4SE (GB) (applicant  
designated states:  
AT;BE;CH;DE;ES;FR;GB;GR;IT;LI;LU;NL;SE)  
Search Report: 910206 A3 Separate publication of the European or  
International search report  
Change: 910327 A2 Obligatory supplementary classification  
(change)  
Withdrawal: 920401 A2 Date on which the European patent application  
was deemed to be withdrawn: 910807

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	298
SPEC A	(English)	EPABF1	1494
Total word count - document A			1792
Total word count - document B			0
Total word count - documents A + B			1792

17/5/17

DIALOG(R)File 348:European Patents  
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00310248

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**Letter preparing apparatus**

**Apparat zur Vorbereitung von Briefen**

**Appareil de preparation de lettres**

**PATENT ASSIGNEE:**

PITNEY BOWES INC., (244950), One Elmcroft, Stamford Connecticut  
06926-0790, (US), (applicant designated states: CH;DE;FR;GB;IT;LI;SE)

**INVENTOR:**

Axelrod, Barry H., 30 Apple Blossom Lane, Newtown, CT 06470, (US)  
Durst, Robert T., 212 Shelton Road, Monroe, CT 06468, (US)  
Hunter, Kevin D., 440 Allyndale Drive, Stratford, CT06497, (US)  
Schmidt, Alfred C., 201 Branch Brook Drive, Wilton, CT 06897, (US)  
Fougere, Guy L., 47 Harvest Moon Road, Easton, CT 06612, (US)

**LEGAL REPRESENTATIVE:**

Mitchell, Alan et al (33953), Hoffmann Eitle, Patent- und Rechtsanwälte,





Total word count - document A 0  
Total word count - document B 26130  
Total word count - documents A + B 26130

17/5/18

DIALOG(R)File 348:European Patents  
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00253804

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

**Security paper for currency and banknotes.**

**Sicherheitspapier für Wertpapiere und Banknoten.**

**Papier de securite pour documents fiduciaires et billets de banque.**

PATENT ASSIGNEE:

CRANE & CO., (841420), 30 South Street, Dalton Massachusetts 01226, (US),  
(applicant designated states: CH;DE;FR;GB;IT;LI;NL;SE)

INVENTOR:

Crane, Timothy T., Star Route, Windsor, MA 01226, (US)

LEGAL REPRESENTATIVE:

Williams, John Francis et al (37741), WILLIAMS, POWELL & ASSOCIATES 34  
Tavistock Street, London WC2E 7PB, (GB)

PATENT (CC, No, Kind, Date): EP 279880 A1 880831 (Basic)  
EP 279880 B1 930908

APPLICATION (CC, No, Date): EP 87102596 870224;

PRIORITY (CC, No, Date): EP 87102596 870224

DESIGNATED STATES: CH; DE; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: D21H-021/42; D21F-011/00;

CITED PATENTS (EP A): GB 1095286 A; US 4552617 A; GB 1486079 A

ABSTRACT EP 279880 A1

Security devices in the form of metallized plastic films (11, 13) are incorporated within a security paper such as banknotes (10) and other valuable documents during the papermaking process for viewing solely by means of transmitted light. The devices (11, 13) comprise printing (12) of extreme fine line clarity and high opacity such that legibility is possible by means of transmitted light while remaining completely indiscernible under reflected light.

ABSTRACT WORD COUNT: 73

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 880831 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 880831 A1 Date of filing of request for examination:  
870224  
Examination: 910220 A1 Date of despatch of first examination report:  
910109  
Change: 920422 A1 Representative (change)  
Grant: 930908 B1 Granted patent  
Oppn: 940803 B1 Opposition 01/940606 Portals Limited; Overton  
Mill Overton; GB-Basingstoke Hampshire RG25  
3JG; (GB)  
(Representative:)Hardisty, David Robert; BOULT,  
WADE & TENNANT 27 Furnival Street; London EC4A  
IPQ; (GB)  
02/940608 GIESECKE & DEVRIENT GmbH;  
Prinzregentenstrasse 159; D-81677 Munchen; (DE)  
(Representative:)Klunker, Hans-Friedrich, Dr.;  
Patentanwalte Klunker . Schmitt-Nilson . Hirsch  
Winzererstrasse 106; D-80797 Munchen; (DE)

Revocation: 980603 B1 Revocation of the European patent: 971028

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	604
CLAIMS B	(German)	EPBBF1	536
CLAIMS B	(French)	EPBBF1	648
SPEC B	(English)	EPBBF1	2610
Total word count - document A			0

Total word count - document B 4398  
Total word count - documents A + B 4398

17/5/19

DIALOG(R)File 348:European Patents  
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00166374

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IC Card and an identification system thereof.

Chipkarte und dazugehöriges Identifikationssystem.

Carte a circuit integre et systeme d'identification pour une telle carte.

PATENT ASSIGNEE:

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Shinjuku-ku Tokyo 160, (JP), (applicant designated states:  
BE;CH;DE;IT;LI;NL;SE)

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Balanstrasse 55, D-81541 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 173103 A2 860305 (Basic)  
EP 173103 A3 880824  
EP 173103 B1 911030

APPLICATION (CC, No, Date): EP 85109652 850801;

PRIORITY (CC, No, Date): US 645925 840830

DESIGNATED STATES: BE; CH; DE; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: G07F-007/10

CITED PATENTS (EP A): US 4105156 A; US 4105156 A; US 4357529 A; US 4357529  
A; EP 30381 A; US 4453074 A; US 3890599 A

ABSTRACT EP 173103 A2

IC Card and an identification system thereof.

A plurality of secret data for identifying IC cards is stored in a memory which is provided in an IC circuit incorporated in the IC card (11). When an IC card (11) is supplied to an issuer from a manufacturer, a sealed sheet (17) on which a production master key (PMK) data is printed is separately sent to the issuer from the manufacturer. The PMK data printed on the sealed sheet (17) is supplied to the IC card (11) to be compared with a PMK data stored therein. The entrance of a primary account number (PAN) data to the IC card is allowed only when a coincidence signal is obtained. An initialization personal identification number (IPIN) data is printed on a sealed sheet (27) which is separately sent to a card holder from the issuer. At the card holders stage, the IPIN data and an IPIN data stored in the IC card (11) are compared with each other. The registration of the personal identification number to the IC card (11) may be performed only when a coincidence signal is obtained.

ABSTRACT WORD COUNT: 189

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Application: 860305 A2 Published application (A1with Search Report  
;A2without Search Report)  
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International search report  
Examination: 890419 A2 Date of filing of request for examination:  
890221  
Examination: 890816 A2 Date of despatch of first examination report:  
890703  
Change: 911030 A2 Representative (change)  
Grant: 911030 B1 Granted patent  
Change: 911113 B1 Representative (change)  
Oppn: 920930 B1 Opposition 01/920729 GAO Gesellschaft fur  
Automation und Organisation mbH; Euckenstrasse  
12; W-8000 Munchen 70; (DE)  
Change: 921111 B1 Representative (change)  
Change: 930324 B1 Representative (change)  
\*Oppn: 940824 B1 Opposition (change) 01/920729 GAO Gesellschaft

fur Automation und Organisation mbH;  
Euckenstrasse 12; D-81369 Munchen; (DE)  
(Representative:) Klunker . Schmitt-Nilson .  
Hirsch; Winzererstrasse 106; D-80797 Munchen;  
(DE)

Change: 950712 B1 Representative (change)  
Amended: 950830 B2 Maintenance of the European patent as amended  
Lapse: 960605 B2 Date of lapse of the European patent in a  
Contracting State: SE 950802

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	362
CLAIMS B	(German)	EPAB95	308
CLAIMS B	(French)	EPAB95	441
SPEC B	(English)	EPAB95	9308
Total word count - document A			0
Total word count - document B			10419
Total word count - documents A + B			10419

Set	Items	Description
S1	455951	PRINT? OR IMPRINT? OR EMOSS? OR EMBED? OR WATERMARK?
S2	27905	TOKEN? OR AUTHENTICAT?
S3	26449	GLYPH? OR DATAGLYPH? OR BARCODE? OR BAR()CODE? OR OCR OR M-ACHINE()READABLE
S4	1186257	ACCESS? OR SECURITY()DATA OR PRICING OR LEGAL()RESTRICTION? OR RATING? OR LOCATION?
S5	117	(TWO OR 2 OR MULTIPLE OR MULTI OR SECOND) (2N) (PART? ? OR A-SPECT? OR ATTRIBUTE?) (S)TOKEN?
S6	3040066	PAPER? OR HARD() (COPY OR COPIES) OR HARDROP?
S7	816879	POINTER? OR ADDRESS? OR TAG? ? OR INDICATOR? OR MARKER?
S8	59675	S1(S)S6
S9	0	S5 AND S8
S10	1	S8 AND S2 AND S3 AND S4
S11	198	S8(S)S2
S12	5	S11 AND S3
S13	48	S11 AND S4
S14	52	S10 OR S12 OR S13
S15	36	RD (unique items)
S16	29	S15 NOT PY>1997
S17	29	S16 NOT PD>971124

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(c) 1998 Inst for Sci Info

File 62: SPIN(R) 1975-2000/Dec W2  
(c) 2000 American Institute of Physics

File 99: Wilson Appl. Sci & Tech Abs 1983-2000/Dec  
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17/5/1 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04928231 E.I. No: EIP97083766277

**Title: Embedding digital data on paper in iconic text**  
Author: Bloomberg, Dan S.  
Corporate Source: Xerox Palo Alto Research Cent., Palo Alto, CA, USA  
Conference Title: Document Recognition IV  
Conference Location: San Jose, CA, USA Conference Date:  
19970212-19970213  
Sponsor: SPIE - Int Soc for Opt Engineering, Bellingham, WA USA  
E.I. Conference No.: 22995  
Source: Proceedings of SPIE - The International Society for Optical  
Engineering v 3027 1997. Society of Photo-Optical Instrumentation  
Engineers, Bellingham, WA, USA. p 67-80  
Publication Year: 1997  
CODEN: PSISDG ISSN: 0277-786X ISBN: 0-8194-2438-2  
Language: English  
Document Type: CA; (Conference Article) Treatment: X; (Experimental); T  
; (Theoretical)  
Journal Announcement: 9804W1

Abstract: A system has been built that **embeds** arbitrary digital data in an iconic representation of a text image. For encoding, a page image containing text is analyzed for the text regions. A highly reduced image of the page is generated, with an iconic version of the text that encodes an input data stream substituting for the text regions. The data is encoded into modulations of rectangular iconic representations of text words, where the length, height and vertical positioning of rectangles, as well as the spacing between rectangles, can all be independently varied. No correspondence need be maintained between the words in the document and the word icons. Word icons or other marks on each line can be used for identifying, calibrating and justifying iconic text. Decoding proceeds by finding iconic lines and determining the iconic word sizes and **locations**. Word icons **printed** with 8x reduction are reliably decoded from 300 ppi binary scans. One application is to present iconified first pages of many documents on a sheet of **paper**, where the URL of each document is encoded in its icon. Icon scanning and selection then allows retrieval of the full document. Another use is to **print** an icon on every page of a document, containing meta-information about the document or the specific page, such as the version, revision history, keywords, authorization, or a signed hashing of the full image for **authentication**. 13 Refs.

Descriptors: \*Digital signal processing; Data processing; Image processing; Modulation; Signal encoding; Scanning  
Identifiers: Document recognition; Word icons; Text words; Data encoding  
Classification Codes:  
741.1 (Light/Optics); 723.4 (Artificial Intelligence); 723.2 (Data Processing)  
741 (Optics & Optical Devices); 723 (Computer Software)  
74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING)

17/5/2 (Item 2 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04623284 E.I. No: EIP97023519208

**Title: Image watermarking - a spread spectrum application**  
Author: Tirkel, Anatol Z.; Osborne, Charles F.; van Schyndel, Ron G.  
Corporate Source: Scientific Technology, Armadale, Aust  
Conference Title: Proceedings of the 1996 IEEE 4th International Symposium on Spread Spectrum Techniques & Applications  
Conference Location: Mainz, Ger Conference Date: 19960922-19960925  
E.I. Conference No.: 45960  
Source: IEEE International Symposium on Spread Spectrum Techniques & Applications v 2 1996.. p 785-789  
Publication Year: 1996  
CODEN: 85QWA7

Language: English  
Document Type: CA; (Conference Article) Treatment: A; (Applications); G  
; (General Review)

Journal Announcement: 9704W1

Abstract: This **paper** discusses the feasibility of coding a robust, undetectable, digital water mark on a standard 512\*512 intensity image with an 24 bit RGB format. The **watermark** is capable of carrying such information as **authentication** or authorization codes, or a legend essential for image interpretation. This capability is envisaged to find application in image tagging, copyright enforcement, counterfeit protection, and controlled **access** . The method chosen is based on linear addition of the water mark to the image data. The patterns adopted to carry the **watermark** are adaptations of m-sequences in one and two dimensions. The recovery process is based on correlation, just as in standard spread spectrum receivers. The technique is quite successful for one dimensional encoding with binary patterns, as shown for a variety of gray scale test images. A discussion of extensions of the method to two dimensions, RGB format and non-binary alphabets is presented. A critical review of other **watermarking** techniques is included. (Author abstract) 15 Refs.

Descriptors: \*Image coding; Pattern recognition; Spread spectrum communication; Signal receivers; Optical correlation; Image communication systems; Security of data

Identifiers: Image watermarking; Spread spectrum receivers

Classification Codes:

723.2 (Data Processing); 741.1 (Light/Optics); 716.3 (Radio Systems & Equipment)

741 (Optics & Optical Devices); 723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment)

74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

17/5/3 (Item 3 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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04447791 E.I. No: EIP96073245809

Title: **Medium access control and air-interface subsystem for an indoor wireless ATM network**

Author: Srivastava, Mani B.

Corporate Source: AT&T Bell Lab, Murray Hill, NJ, USA

Conference Title: Proceedings of the 1996 9th International Conference on VLSI Design

Conference Location: Bangalore, India Conference Date: 19960103-19960106

Sponsor: IEEE

E.I. Conference No.: 44968

Source: Proceedings of the IEEE International Conference on VLSI Design 1996. IEEE, Los Alamitos, CA, USA. p 14-18

Publication Year: 1996

CODEN: PIVDEZ

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 9609W2

Abstract: An indoor wireless network based on room-sized cells has been prototyped at AT&T Bell Laboratories to investigate ubiquitous tetherless **access** to multimedia information. A distinguishing feature of this network, named SWAN, is its use of end-to-end ATM connectivity as opposed to connection-less mobile-IP connectivity used by present day wireless LANs. This **paper** focuses on medium **access** control (MAC) and air-interface sub-system in SWAN. The design of this sub-system is made interesting by the interplay of wireless aspects with ATM and mobility. A MAC based on **token** passing and mobile-initiated hand-off is used in conjunction with novel algorithms to reroute ATM virtual circuits. The functionality is partitioned three-way amongst dedicated hardware and dedicated **embedded** processor software located on a flexible wireless ATM adapter card, and the host processor software. (Author abstract) 8 Refs.

Descriptors: \*VLSI circuits; Asynchronous transfer mode; Voice/data

communication systems; Mobile telecommunication systems; Local area networks; Algorithms; Circuit theory; Computer hardware; Computer software; Switching

Identifiers: Medium **access** control; Air interface subsystem; Seamless wireless ATM networking

Classification Codes:

714.2 (Semiconductor Devices & Integrated Circuits); 716.1 (Information & Communication Theory); 723.5 (Computer Applications); 703.1 (Electric Networks); 722.2 (Computer Peripheral Equipment)

714 (Electronic Components); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 703 (Electric Circuits); 722 (Computer Hardware)

71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 70 (ELECTRICAL ENGINEERING)

17/5/4 (Item 4 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04444778 E.I. No: EIP96073244106

Title: Scalable multihop WDM passive ring with optimal wavelength assignment and adaptive wavelength routing

Author: Guo, Duanyang; Acampora, Anthony S.

Corporate Source: GTE Lab, Inc, Waltham, MA, USA

Source: Journal of Lightwave Technology v 14 n 6 Jun 1996. p 1264-1277

Publication Year: 1996

CODEN: JLTEDG ISSN: 0733-8724

Language: English

Document Type: JA; (Journal Article) Treatment: G; (General Review); T; (Theoretical)

Journal Announcement: 9609W2

Abstract: Ring networks have drawn wide attention due to **token** ring and FDDI standards. This **paper** presents a scalable multihop WDM passive ring architecture for local area or metropolitan area networks. The network consists of optical interfaces, which are connected into a ring by fibers. Each optical interface is completely passive and unpowered. We apply the 'multihop' principle by introducing a regular multiloop ring called 'wheel' as the optical connectivity and **embedding** it onto a single-loop fiber ring. Each network **access** node requires only a small number of fixed-tuned transceivers and an ATM switch. The network can incrementally scale up from a smaller ring to a larger ring by deploying more **access** nodes and optical interfaces. When scaling up the network, not only the number of wavelengths required is small but also no more wavelengths are required. This architecture has an excellent ability for alternative routing and optimal wavelength reuse. We present three distributed adaptive wavelength routing algorithms and an optimal wavelength assignment algorithm which minimizes the number of wavelengths used. A method yielding the lowest possible call blocking probability for an 'ideal' network with a fixed number of transceivers per node is presented and used as a yardstick to evaluate the proposed networks. The numerical results show that the architecture is very efficient. (Author abstract) 11 Refs.

Descriptors: \*Optical communication equipment; Frequency division multiplexing; Metropolitan area networks; Fiber optic networks; Transceivers; Optical switches; Asynchronous transfer mode; Optical communication; Probability; Algorithms

Identifiers: Scalable multihop passive ring architecture; Adaptive wavelength routing; Optimal wavelength assignment

Classification Codes:

741.1.2 (Fiber Optics)

717.2 (Optical Communication Equipment); 741.1 (Light/Optics); 741.3 (Optical Devices & Systems); 717.1 (Optical Communication Systems); 922.1 (Probability Theory)

717 (Electro-Optical Communications); 741 (Optics & Optical Devices); 922 (Statistical Methods); 723 (Computer Software)

71 (ELECTRONICS & COMMUNICATIONS); 74 (OPTICAL TECHNOLOGY); 92 (ENGINEERING MATHEMATICS); 72 (COMPUTERS & DATA PROCESSING)

17/5/5 (Item 5 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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04398150 E.I. No: EIP96043139368

**Title: Holographic features in security printing and the human face in currency printing**

Author: Colgate, Gilbert Jr.

Corporate Source: American Bank Note Co., New York, NY, USA

Conference Title: Optical Security and Counterfeit Deterrence Techniques

Conference Location: San Jose, CA, USA Conference Date: 19960201-19960202

Sponsor: SPIE - Int Soc for Opt Engineering, Bellingham, WA USA

E.I. Conference No.: 22502

Source: Proceedings of SPIE - The International Society for Optical Engineering v 2659 1996. Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. p 202-206

Publication Year: 1996

CODEN: PSISDG ISSN: 0277-786X ISBN: 0-8194-2033-6

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 9606W5

Abstract: In security printing in general and currency printing in particular, it is very rare for a single security feature to carry the total burden of 'authenticity.' There is almost always a layering of features, which in their complexity and coherence eventually determine the genuine. We give examples to show holography is no exception to the rule of layering. After discussing the integration of various layered holographic features into a security product, the paper discusses currency, proposing authentication of currency is, today, fundamentally a human perception and that the human eye is more attuned to recognition of a face than a machine readable random pattern. 2 Refs.

Descriptors: \*Holograms; Printing; Vision; Pattern recognition; Security systems; Computer vision

Identifiers: Security printing; Currency printing; Layered holographic features

Classification Codes:

745.1 (Printing); 723.5 (Computer Applications); 914.1 (Accidents & Accident Prevention)

743 (Holography); 745 (Printing & Reprography); 723 (Computer Software); 914 (Safety Engineering)

74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING); 91 (ENGINEERING MANAGEMENT)

17/5/6 (Item 6 from file: 8)  
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04241439 E.I. No: EIP95092839514

**Title: Real-time communication in fieldbus multiaccess networks**

Author: Han, Ching-Chih; Shin, Kang G.

Corporate Source: Univ of Michigan, Ann Arbor, MI, USA

Conference Title: Proceedings of the Real-Time Technology and Applications Symposium

Conference Location: Chicago, IL, USA Conference Date: 19950515-19950517

Sponsor: IEEE

E.I. Conference No.: 43485

Source: Real-Time Technology and Applications - Proceedings 1995. IEEE, Los Alamitos, CA, USA, 95TH8055. p 86-95

Publication Year: 1995

CODEN: 002112 ISSN: 1080-1812

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications); T; (Theoretical)

Journal Announcement: 9510W5



**Abstract:** There has been an increasing need of timely and predictable communication services for **embedded** real-time systems in automated factories and industrial process controls. Work has been done on real-time communication with deadline guarantees in point-to-point, **token** bus/**token** ring/FDDI, and DQDB (Distributed Queue Dual Bus) networks. However, due to the random **access** nature of the CSMA/CD type multiaccess networks, they are not suitable for applications with stringent timing constraints. In this **paper**, we consider real-time communication services with absolute deadline guarantees in multiaccess local area networks equipped with a centralized scheduler, such as the SP-50 FieldBus left bracket 1 right bracket, an industrial standard protocol for process control and manufacturing applications. Similar to most **token**-passing networks, in a centralized-scheduling multiaccess network, the **access** to the bus is controlled by a **token**. Only the station currently holding the **token** has the exclusive right to use the multiaccess bus. Unlike the **token** bus, **token** ring, or FDDI network, the multiaccess network uses a centralized **token** scheduling scheme and the **token** need not be allocated to the stations in a cyclic fashion. We show that the pinwheel left bracket 2 right bracket and the distance-constrained left bracket 3 right bracket scheduling techniques can be adapted to schedule the **token** in centralized-scheduling multiaccess networks to guarantee message deadlines. (Author abstract) 21 Refs.

**Descriptors:** Real time systems; Telecommunication services; Local area networks; Random **access** storage; Network protocols; Constraint theory; Scheduling

**Identifiers:** Medium **access** control; Distributed queue dual bus; Real time communication; Multiaccess networks; Token bus network; Token ring network

**Classification Codes:**

722.4 (Digital Computers & Systems); 716.1 (Information & Communication Theory); 722.1 (Data Storage, Equipment & Techniques); 723.5 (Computer Applications); 721.1 (Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory); 912.2 (Management)

722 (Computer Hardware); 716 (Radar, Radio & TV Electronic Equipment); 723 (Computer Software); 721 (Computer Circuits & Logic Elements); 912 (Industrial Engineering & Management)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 91 (ENGINEERING MANAGEMENT)

17/5/7 (Item 7 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04189401 E.I. No: EIP95062747998

**Title:** Cryptology for digital TV broadcasting

**Author:** Macq, Benoit M.; Quisquater, Jean-Jacques

**Corporate Source:** Universite Catholique de Louvain, Louvain-la-Neuve, Belgium

**Source:** Proceedings of the IEEE v 83 n 6 Jun 1995. p 944-957

**Publication Year:** 1995

**CODEN:** IEEPAD **ISSN:** 0018-9219

**Language:** English

**Document Type:** JA; (Journal Article) **Treatment:** G; (General Review)

**Journal Announcement:** 9508W3

**Abstract:** Digital TV broadcasting needs new cryptological tools for conditional **access**, copyright protection and image **authentication**. The aim of this **paper** is to overview the corresponding systems' features. The description of a conditional **access** system is given. It is shown that equitable systems need the use of a Trusted Third Party. The design of efficient copyright protection by **watermarking** images and image **authentication** by signatures are also briefly discussed. (Author abstract) 41 Refs.

**Descriptors:** \*Television broadcasting; Cryptography; Digital communication systems; Copyrights; Decoding; Image processing; Systems analysis

**Identifiers:** Cryptological tools; Conditional **access** system; Copyright protection; Image authentication; Watermarking images; Cryptanalysis

Classification Codes:

716.4 (Television Systems & Equipment); 722.3 (Data Communication, Equipment & Techniques); 716.1 (Information & Communication Theory); 902.3 (Legal Aspects); 723.2 (Data Processing)  
716 (Radar, Radio & TV Electronic Equipment); 722 (Computer Hardware); 902 (Engineering Graphics & Standards); 723 (Computer Software)  
71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

17/5/8 (Item 8 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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04101771 E.I. No: EIP95022595091

**Title: Digital watermark**

Author: van Schyndel, R.G.; Tirkel, A.Z.; Osborne, C.F.

Corporate Source: Monash Univ, Clayton, Aust

Conference Title: Proceedings of the 1994 1st IEEE International Conference on Image Processing. Part 2 (of 3) .

Conference Location: Austin, TX, USA Conference Date: 19941113-19941116

Sponsor: IEEE

E.I. Conference No.: 42570

Source: IEEE International Conference on Image Processing v 1 1994. IEEE, Los Alamitos, CA, USA, 94CH35708. p 86-90

Publication Year: 1994

CODEN: 001953

Language: English

Document Type: CA; (Conference Article) Treatment: A; (Applications)

Journal Announcement: 9505W1

Abstract: This **paper** discusses the feasibility of coding an 'undetectable' digital water mark on a standard 512\*\*512 intensity image with an 8 bit gray scale. The **watermark** is capable of carrying such information as **authentication** or authorisation codes, or a legend essential for image interpretation. This capability is envisaged to find application in image tagging, copyright enforcement, counterfeit protection, and controlled **access** . Two methods of implementation are discussed. The first is based on bit plane manipulation of the LSB, which offers easy and rapid decoding. The second method utilises linear addition of the water mark to the image data, and is more difficult to decode, offering inherent security. This linearity property also allows some image processing, such as averaging, to take place on the image, without corrupting the water mark beyond recovery. Either method is potentially compatible with JPEG and MPEG processing. (Author abstract) 12 Refs.

Descriptors: \*Image coding; Image understanding; Copyrights; Decoding; Security of data; Color; Adaptive filtering; Spurious signal noise; Imaging systems

Identifiers: Digital watermark; Authentication; Image tagging; Copyright enforcement; Counterfeit protection; Controlled **access** ; Matched filtering ; Message extraction; Fibonacci recursion relation; Autocorrelation functions

Classification Codes:

723.2 (Data Processing); 902.2 (Codes & Standards); 716.1 (Information & Communication Theory); 741.1 (Light/Optics); 741.3 (Optical Devices & Systems)

723 (Computer Software); 902 (Engineering Graphics & Standards); 716 (Radar, Radio & TV Electronic Equipment); 741 (Optics & Optical Devices)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING); 71 (ELECTRONICS & COMMUNICATIONS); 74 (OPTICAL TECHNOLOGY)

17/5/9 (Item 9 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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03303859 E.I. Monthly No: EIM9109-045141

**Title: Introduction to FDDI technology, applications and markets.**

Author: Parker, Karen

Corporate Source: Natl Semiconductor, Santa Clara, CA, USA  
Conference Title: Wescon '90 - Conference Record  
Conference Location: Anaheim, CA, USA Conference Date: 19901113  
E.I. Conference No.: 14782  
Source: Wescon Conference Record v 34. Publ by Western Periodicals Co,  
North Hollywood, CA, USA. p 102-104  
Publication Year: 1990  
CODEN: WCREDI  
Language: English  
Document Type: PA; (Conference Paper) Treatment: A; (Applications); E;  
(Economic/Cost Data/Market Survey)  
Journal Announcement: 9109  
Abstract: Fiber Distributed Data Interface (FDDI) is a Local Area Network  
(LAN) protocol defined by the ANSI X3T9.5 FDDI Committee. FDDI is a LAN  
protocol characterized by a ring topology, a **token access** method, a  
fiber optic transmission media and a 100 Mbps data rate. FDDI is unique  
among LAN protocols for it's network management capabilities. The station  
management functions are **embedded** in the protocol in a way which provides  
mechanism for fault isolation and network performance monitoring. This  
**paper** discusses two main FDDI applications: Backbone applications and  
Front end applications. The article predicts that there will be substantial  
growth in the FDDI technology in 1993.  
Descriptors: \*COMPUTER INTERFACES; COMPUTERS, DIGITAL--Data Communication  
Systems; COMPUTER NETWORKS--Local Area Networks; OPTICAL COMMUNICATION  
Identifiers: FIBER DISTRIBUTED DATA INTERFACE (FDDI); COMMUNICATION  
PROTOCOLS  
Classification Codes:  
722 (Computer Hardware); 723 (Computer Software); 717 (Electro-Optical  
Communications)  
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

17/5/10 (Item 10 from file: 8)  
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00588998 E.I. Monthly No: EI7612079735 E.I. Yearly No: EI76012958  
**Title: INTERACTIVE AUDIO-GRAPHICS FOR SPEECH AND IMAGE CHARACTERIZATION.**  
Author: Griffith, M. L.; Riganati, J. P.  
Corporate Source: Rockwell Int, Anaheim, Calif  
Source: IEEE Conf on Comput Graphics, Pattern Recognition, and Data  
Struct, Proc, Pap and Abstr, Los Angeles, Calif, May 14-16 1975 p 163-169.  
Publ by IEEE Comput Soc (Cat n 75CH0981-1C), New York, NY, 1975  
Publication Year: 1975  
Language: ENGLISH  
Journal Announcement: 7612  
Abstract: An interactive graphics system with bi-directional audio  
capability has been developed for use in classifying and describing (or  
characterizing) speech and imagedata. The use of an interactive system  
allows human inspection of intermediate steps in algorithm development,  
easy modification of parameters, and immediate examination of the results.  
The graphics portion of the system uses a keyboard, joystick, opaque and  
transparent image scanners, and control panel for data input and has  
**access** to a Tektronix 611 memory scope, an electrostatic **printer**  
/plotter, a Calcomp plotter, and a high-resolution CRT with a camera  
attachment for data output. As many as three different files may be  
processed concurrently and may be stored either on magnetic tape or disc. A  
history file which maintains a record of all or selected operations, may be  
viewed directly or on **hardcopy**. The system has been used to generate a  
labelled speech data base of 35,000 **tokens** for use in semi-automatic  
speaker identification character recognition algorithm capable of MOS/LSI  
realization, to analyze imagery for bandwidth reduction studies, and to  
research classification and matching algorithms for use in fingerprint  
processing. Examples from each of the application areas are presented. 13  
refs.  
Descriptors: \*COMPUTER GRAPHICS; PATTERN RECOGNITION SYSTEMS; IMAGE  
PROCESSING; CHARACTER RECOGNITION; SPEECH--Recognition  
Identifiers: INTERACTIVE COMPUTING

Classification Codes:

723 (Computer Software); 751 (Acoustics); 741 (Optics & Optical Devices)

72 (COMPUTERS & DATA PROCESSING); 75 (ACOUSTICAL TECHNOLOGY); 74 (OPTICAL TECHNOLOGY)

17/5/11 (Item 1 from file: 202)

DIALOG(R)File 202:Information Science Abs.

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00216060 9706060

ISA Document Number in Printed Publication: 9705736

**Multi-dimensional token ring networks: routing and operational protocols.**

Document Type: Journal Article

Author (Affiliation): Ghazati, S.A. (Queens College, Flushing, NY)

Country of Affiliation: United States

Journal: Computers and Electrical Engineering

Publication Language(s): English

Source: Vol. 23 Issue 3 p. 151-164 May 1997 12

Operation protocols and various routing schemes of a class of Loop networks are the main focus of this **paper**. A ring-based topology, referred to as a multi-dimensional ring (or MR) is presented. MR networks are member of the class of loop networks which have been extensively studied by many researchers. Media **access** is performed over several link disjoint rings, which results in notable increases in throughput and robust operation in the presence of node and link failures. The primary advantage of this proposed topology over the enhanced ring topologies, such as chordal ring and **token** grid is its efficient routing and **embedding** algorithms. The finite automata model is used to develop several routing schemes. The input string, accepted by this particular automaton, from an initial state, corresponds to a path established from a source (initial) node in the network. Furthermore, several operation modes of MR networks are presented. The contributions of this **paper** with regard to MR networks are as follows: (1) the structure of the network and its relation to base-r numbering system; (2) the investigation of various topological properties of the network; (3) the development of several routing schemes; (4) the performance evaluation of the network; and (5) protocol operations.

Descriptors: ALGORITHMS; PROTOCOLS; ROUTING SYSTEMS; TOKEN RING NETWORKS

Subject Class Header (Number): Information Systems and Applications, Networks, Regional Systems, Consortia (06.01)

17/5/12 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2000 Institution of Electrical Engineers. All rts. reserv.

6162182 INSPEC Abstract Number: C1999-03-7120-026

**Title: IVY: intellectual property management for digital networks**

Author(s): Hoffert, P.

Author Affiliation: York Univ., Toronto, Ont., Canada

Conference Title: Global Networking '97. 21st Century Communications Networks. Proceedings of the Global Networking '97 Conference Part vol.2 p.81-7 vol.2

Editor(s): Enslow, P.; Desrochers, P.; Bonifacio, I.

Publisher: IOS Press, Amsterdam, Netherlands

Publication Date: 1997 Country of Publication: Netherlands 2 vol. (xv+304+xvii+453) pp.

ISBN: 90 5199 345 5 Material Identity Number: XX-1998-03566

Conference Title: Proceedings of Global Networking 97

Conference Date: 15-18 June 1997 Conference Location: Calgary, Alta., Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Economic aspects (E); General, Review (G)

Abstract: The IVY intellectual property management system, IPMS, is a

comprehensive framework for networked commerce. It is one of the first to be deployed on digital networks, delivering all manner of digital content ranging from games and music-on-demand to educational courses, software and health care in a secure, authorized and **authenticated** environment among owners, producers, distributors, vendors and users. Content use is tracked in detail and reports are generated for content owners and distributors. Users may be authorized to receive content ephemerally or to optionally make soft or **hard copies**. Content may contain **embedded**, coupled, or multimedia works. IVY accommodates technologies for multi-level encryptions, data tagging, **watermarking**, user fingerprinting and copy prohibition. Industry collectives have formed a Canadian Rights Bureau that is using IVY to register and track huge stores of digital content linked to agreements specifying the terms and conditions for use. Taken together, the IVY components give content owners assurance that they will get fair accounting, payment, and protection for their works. For end users, IVY provides a simple and cost-effective system for **accessing** the growing libraries of content in digital formats. (0 Refs)

Descriptors: accounting; copyright; costing; digital libraries; electronic commerce; security of data

Identifiers: IVY; intellectual property management system; networked commerce; digital networks; digital content; secure environment; content distributors; multimedia works; multi-level encryptions; data tagging; watermarking; user fingerprinting; copy prohibition; Canadian Rights Bureau; accounting; payment; digital libraries

Class Codes: C7120 (Financial computing); C0230 (Economic, social and political aspects of computing); C6130S (Data security); C7210 (Information services and centres)

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17/5/13 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5919169 INSPEC Abstract Number: B9806-6210L-107, C9806-5620L-034

Title: **ISDN LAN access : remote access security and user profile management**

Author(s): Posch, R.; Leitold, H.; Pucher, F.

Author Affiliation: Inst. for Appl. Inf. Process. & Commun., Univ. of Technol. Graz, Austria

Conference Title: Communications and Multimedia Security II. Proceedings of the IFIP/TC6/TC11 International Conference p.222-33

Editor(s): Horster, P.

Publisher: Chapman & Hall, London, UK

Publication Date: 1996 Country of Publication: UK vi+314 pp.

ISBN: 0 412 79780 1 Material Identity Number: XX96-02452

Conference Title: Proceedings of International Working Conference on Communication and Multimedia Security

Conference Date: 23-24 Sept. 1996 Conference Location: Essen, Germany

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Extending local area networks (LANs) to the home is an important area of today's communication technology. Due to its global availability, making use of services offered by public telecommunication infrastructure gives a high connectivity and flexibility. There are different types of global infrastructure available to build such a remote **access** environment: Public switched telephone network (PSTN) using modems and wireless cellular radio systems like groupe special mobile (GSM) are used. However, integrated services digital network (ISDN) will replace modem lines due to its higher bandwidth and more adequate **embedding**. Such a heterogeneous remote **access** scheme needs enhanced **access** and traffic control. This **paper** demonstrates a router-based solution for enhanced ISDN call management. One of the main advantages is the separation of a strategic module which defines the behavior. However, using dial up lines to **access** LANs requires additional **access** control and user **authentication**. As the user profiles may vary widely, a remote **access** security policy is introduced, which has to deal with binding the user's **access** rights to the user profile. This security system is based on an

information filtering scheme, which is controlled by the **authenticated** security servers. The **authentication** algorithm is interchangeable and different **authentication** methods can be used simultaneously. These can range from simple password-based schemes for low privileged guest profiles to cryptographic methods like zero knowledge **authentication** using secure ID cards for high privileged remote **access** profiles. Previews of future, connection oriented remote **access** schemes like asynchronous transfer mode- (ATM) based broadband ISDN (B-ISDN) are given. (17 Refs)

Descriptors: cryptography; ISDN; local area networks

Identifiers: ISDN LAN **access** ; remote **access** security; user profile management; public telecommunication infrastructure; public switched telephone network; modems; wireless cellular radio systems; groupe special mobile; router-based solution; user authentication; remote **access** security policy; information filtering scheme; cryptographic methods; zero knowledge authentication; secure ID cards; asynchronous transfer mode; B-ISDN

Class Codes: B6210L (Computer communications); B6210M (ISDN); C5620L (Local area networks); C6130S (Data security)

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17/5/14 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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5774682 INSPEC Abstract Number: B9801-6140C-502, C9801-5260B-288

**Title: A two-dimensional digital watermark**

Author(s): Tirkel, A.Z.; van Schyndel, R.G.; Osborne, C.F.

Author Affiliation: Sci. Technol., Australia

Conference Title: Conference Proceedings DICTA-95. Digital Image Computing: Techniques and Applications p.378-83

Editor(s): Maeder, A.; Lovell, B.

Publisher: Australian Pattern Recognition Soc, Brisbane, Qld., Australia

Publication Date: 1995 Country of Publication: Australia 695 pp.

Material Identity Number: XX97-02775

Conference Title: Conference Proceedings DICTA-95. Digital Image Computing: Techniques and Applications

Conference Sponsor: Sun Microsyst.; Leica Instrum.; Silicon Graphics; Ceanet/Mathworks; Arnotts's Biscuits; et al

Conference Date: 6-8 Dec. 1995 Conference Location: Brisbane, Qld., Australia

Availability: Australian Pattern Recognition Society, c/o The Secretary, School of Electrical and Electronic Systems Engineering, Queensland University of Technology, GPO Box 2434, Brisbane, Queensland 4000, Australia

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: This **paper** discusses the feasibility of coding a robust, undetectable, digital **watermark** on a standard 512\*512 intensity image with an 8-bit gray scale. The **watermark** is capable of carrying such information as **authentication** or authorisation codes, or a legend essential for image interpretation. This capability is envisaged to find application in image tagging, copyright enforcement, counterfeit protection, and controlled **access** . The method chosen is based on linear addition of the **watermark** to the image data. Originally, the authors made use of one-dimensional encoding using m-sequences, a process which, whilst showing promise, had considerable shortcomings. This **paper** analyses constructions to extend this work to two dimensions and discusses compatibility of the technique with JPEG image transmission. (7 Refs)

Descriptors: copyright; data compression; image coding; image sequences; security of data; visual communication

Identifiers: two-dimensional digital watermark; image coding; authentication; authorisation; image interpretation; image tagging; copyright enforcement; counterfeit protection; controlled **access** ; m-sequences; JPEG image transmission

Class Codes: B6140C (Optical information, image and video signal processing); B6120B (Codes); C5260B (Computer vision and image processing techniques); C6130S (Data security)

17/5/15 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

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5767822 INSPEC Abstract Number: B9801-6120B-043, C9801-1250-132

**Title: Electronic water mark**

Author(s): Tirkel, A.Z.; Rankin, G.A.; van Schyndel, R.M.; Ho, W.J.; Mee, N.R.A.; Osborne, C.F.

Author Affiliation: Scientific Technol., Brighton, Vic., Australia

Conference Title: Conference Proceedings DICTA-93 Digital Image Computing: Techniques and Applications Part vol.2 p.666-73 vol.2

Editor(s): Fung, K.K.; Ginige, A.

Publisher: Australian Pattern Recognition Soc, Broadway, NSW, Australia

Publication Date: 1993 Country of Publication: Australia 2 vol. (xix+x+879) pp.

ISBN: 0 646 16522 4 Material Identity Number: XX97-02846

Conference Title: Conference Proceedings DICTA-93 Digital Image Computing: Techniques and Applications

Conference Sponsor: Digital Equipment Corp.; Silicon Graphics; Sun Microsystems.; Leica Instrum.; Arnott's Biscuits

Conference Date: 8-10 Dec. 1993 Conference Location: Sydney, NSW, Australia

Availability: Australian Pattern Recognition Society, c/o the secretary, Computer Systems Engineering, School of Electrical Engineering, University of Technology, Sydney, PO Box 123, Broadway, NSW 2007, Australia

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: This **paper** discusses the feasibility of coding an "undetectable" digital water mark on an 8 bit gray scale image. The **watermark** is capable of carrying such information as **authentication** or authorisation codes, or look-up-tables essential for image interpretation. This capability is envisaged to find application in image tagging, copyright enforcement, counterfeit protection, and controlled **access** to image data. Two methods of implementation are discussed; bit plane manipulation of the LSB and linear addition of the LSB. The two methods are analysed with respect to security, accuracy and ease of implementation. (5 Refs)

Descriptors: copyright; image coding; security of data

Identifiers: coding; digital water mark; 8 bit gray scale image; authentication; authorisation codes; look-up-tables; image interpretation; image tagging; copyright enforcement; counterfeit protection; bit plane manipulation

Class Codes: B6120B (Codes); B6140C (Optical information, image and video signal processing); C1250 (Pattern recognition); C6130S (Data security)

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17/5/16 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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5704736 INSPEC Abstract Number: C9711-5260B-158

**Title: Classification of oriental and European scripts by using characteristic features**

Author(s): Jie Ding; Lam, L.; Suen, C.Y.

Author Affiliation: Centre for Pattern Recognition & Machine Intelligence, Concordia Univ., Montreal, Que., Canada

Conference Title: Proceedings of the Fourth International Conference on Document Analysis and Recognition (Cat. No.97TB100138) Part vol.2 p. 1023-7 vol.2

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1997 Country of Publication: USA 2 vol. xxiv+1119 pp.

ISBN: 0 8186 7898 4 Material Identity Number: XX97-02265

U.S. Copyright Clearance Center Code: 0 8186 7898 4/97/\$10.00

Conference Title: Proceedings of the Fourth International Conference on Document Analysis and Recognition

Conference Sponsor: Int. Assoc. Pattern Recognition (IAPR), TC 10 & 11; Int. Graphonomics Soc. (IGS); German Assoc. Comput. Sci. (GI); German Assoc. Inf. Technol. (ITG)

Conference Date: 18-20 Aug. 1997 Conference Location: Ulm, Germany

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Two types of techniques are usually adopted in language differentiation: **token** matching and statistical analysis. In this **paper** we present a method which uses a combined analysis of several discriminating statistical features for the differentiation between European and oriental language scripts. When applied to more than 23 languages, it has proved to be effective in classifying documents **printed** in these different scripts. (9 Refs)

Descriptors: character sets; document image processing; feature extraction; image classification; image matching; optical character recognition; statistical analysis

Identifiers: oriental script classification; European script classification; characteristic features; language differentiation; token matching; statistical analysis; statistical features; document classification; **OCR**

Class Codes: C5260B (Computer vision and image processing techniques); C1250B (Character recognition); C6130D (Document processing techniques); C1140 (Probability and statistics)

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17/5/17 (Item 6 from file: 2)

DIALOG(R) File 2:INSPEC

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5655365 INSPEC Abstract Number: B9709-6210L-067, C9709-5620L-026

Title: **Group communication security on regional PC communication network**

Author(s): Nishio, G.; Irie, K.; Morisaki, M.

Author Affiliation: NTT Multimedia Network Labs., Yokosuka, Japan

Journal: Transactions of the Institute of Electronics, Information and Communication Engineers B-I vol.J80B-I, no.6 p.366-74

Publisher: Inst. Electron. Inf. & Commun. Eng,

Publication Date: June 1997 Country of Publication: Japan

CODEN: DJBTES ISSN: 0915-1877

SICI: 0915-1877(199706)J80BI:6L.366:GCSR;1-9

Material Identity Number: M968-97007

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: CUG (closed users group) is a type of security services that ensures secret communication between members and safety from cracking. We have been researching "group communication" for providing CUG service on regional PC communication network. Because our main target is the home users, it is needed to have enough security without troublesome configuration or entering password. Therefore, the group communication achieves CUG service by packet filtering based on MAC (media **access** control) address **embedded** in terminal hardware. In this **paper** we present two implementations for group communication mechanism, subscriber side filtering method and center side filtering method, and evaluate their secret communication and subscriber **authentication** security. As the result, we prove the center side filtering method can provide CUG services secure enough for home-use PC communication. (10 Refs)

Descriptors: data privacy; LAN interconnection; message authentication; optical fibre subscriber loops; packet switching; telecommunication control

Identifiers: group communication security; regional PC communication network; closed users group; security service; secret communication; group communication; CUG service; packet filtering; MAC; media **access** control; subscriber side filtering method; center side filtering method; subscriber authentication security; LAN; optical subscriber system

Class Codes: B6210L (Computer communications); B6220B (Subscriber loops); B6260 (Optical links and equipment); C5620L (Local area networks); C6130S (Data security); C7410F (Communications computing)



17/5/18 (Item 7 from file: 2)

DIALOG(R) File 2:INSPEC

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5335790 INSPEC Abstract Number: B9609-6140C-561, C9609-5260B-341

**Title: Towards a robust digital watermark**

Author(s): van Schyndel, R.G.; Tirkel, A.Z.; Osborne, C.F.

Author Affiliation: Dept. of Phys., Monash Univ., Clayton, Vic., Australia

Conference Title: ACCV '95. Second Asian Conference on Computer Vision. Proceedings Part vol.2 p.504-8 vol.2

Publisher: Nanyang Technol. Univ, Singapore

Publication Date: 1995 Country of Publication: Singapore 3 vol. (xxxii+548+811+839) pp.

ISBN: 981 00 7177 9 Material Identity Number: XX96-01801

Conference Title: Proceedings of Second Asian Conference on Computer Vision. ACCV '95

Conference Sponsor: Int. Assoc. Pattern Recognition; IEICE of Japan; Inf. Processing Soc. Japan; et al

Conference Date: 5-8 Dec. 1995 Conference Location: Singapore

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: This **paper** discusses the feasibility of coding a robust, undetectable, digital **watermark** on a standard 512\*512 intensity image with an 8 bit gray scale. The **watermark** is capable of carrying such information as **authentication** or authorisation codes, or a legend essential for image interpretation. This capability is envisaged to find application in image tagging, copyright enforcement, counterfeit protection, and controlled **access**. The method chosen is based on linear addition of the **watermark** to the image data. Originally, the authors made use of one dimensional encoding using m-sequences, a process which, whilst showing promise, had considerable shortcomings. This **paper** presents an analysis of the one dimensional scheme and some constructions to extend this work to two dimensions. (7 Refs)

Descriptors: authorisation; copyright; image coding

Identifiers: digital watermark; authentication; authorisation; image interpretation; image tagging; copyright enforcement; counterfeit protection; controlled **access**; image data; m-sequences

Class Codes: B6140C (Optical information, image and video signal processing); C5260B (Computer vision and image processing techniques); C6130S (Data security)

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17/5/19 (Item 8 from file: 2)

DIALOG(R) File 2:INSPEC

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5329109 INSPEC Abstract Number: B9609-6210L-048, C9609-5620L-016

**Title: Scalable multihop WDM passive ring with optimal wavelength assignment and adaptive wavelength routing**

Author(s): Duanyang Guo; Wei Guo; Acampora, A.S.

Author Affiliation: Dept. of Comput. Sci., Columbia Univ., New York, NY, USA

Conference Title: GLOBECOM '95. Communications for Global Harmony. IEEE Global Telecommunications Conference. Technical Program Conference Record (Cat. No.95CH35756) Part vol.3 p.2195-204 vol.3

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA 3 vol. xlvii+2317 pp.

ISBN: 0 7803 2509 5 Material Identity Number: XX96-00592

U.S. Copyright Clearance Center Code: 0 7803 2509 5/95/\$4.00

Conference Title: Proceedings of GLOBECOM '95

Conference Sponsor: IEEE; IEEE Commun. Soc.; GLOBECOM; Telecommun. Authority of Singapore; Singapore Telecom; NUS; NTU

Conference Date: 13-17 Nov. 1995      Conference Location: Singapore  
Language: English      Document Type: Conference Paper (PA)  
Treatment: Theoretical (T)

**Abstract:** Ring networks have drawn wide attention due to **token** ring and FDDI standards. This **paper** presents a scalable multihop WDM passive ring architecture for local-area or metropolitan area networks. The network consists of optical interfaces, which are connected into a ring by fibers. Each optical interface is completely passive and unpowered. We apply the "multihop" principle by introducing a regular multi-loop ring called "wheel" as the optical connectivity and **embedding** it onto the single-loop fiber ring. Each network **access** node requires only a small number of fixed-tuned transceivers and an ATM switch. The network can incrementally scale up from a smaller ring to a large ring by deploying more **access** nodes and optical interfaces. When scaling up the network, not only the number of wavelengths required is small but also no more wavelengths are required. This architecture has an excellent ability for alternative routing and optimal wavelength reuse. We present three distributed adaptive wavelength routing algorithms and an optimal wavelength assignment algorithm which minimizes the number of wavelengths used. A method yielding the lowest possible call blocking probability for an "ideal" network with a fixed number of transceivers per node is presented and used as a yardstick to evaluate the proposed networks. The numerical results show that the architecture is very efficient. (7 Refs)

**Descriptors:** adaptive systems; asynchronous transfer mode; metropolitan area networks; network interfaces; network topology; optical fibre LAN; optimisation; performance evaluation; probability; telecommunication network routing; token networks; wavelength division multiplexing

**Identifiers:** scalable multihop WDM passive ring; call blocking probability; optimal wavelength assignment algorithm; ring networks; token ring standards; FDDI standard; passive ring architecture; metropolitan area networks; local area networks; passive optical interfaces; regular multiloop ring; wheel; optical connectivity; single loop fiber ring; network **access** node; fixed-tuned transceivers; ATM switch; alternative routing; optimal wavelength reuse; distributed adaptive wavelength routing algorithms; transceivers; network performance

**Class Codes:** B6210L (Computer communications); B6260 (Optical links and equipment); B6150P (Communication network design and planning); B0260 (Optimisation techniques); B6150C (Communication switching); B0240Z (Other topics in statistics); C5620L (Local area networks); C5620M (Metropolitan area networks); C5610N (Network interfaces); C1180 (Optimisation techniques); C5670 (Network performance); C1140Z (Other topics in statistics)

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17/5/20      (Item 9 from file: 2)  
DIALOG(R)File    2:INSPEC  
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5256825    INSPEC Abstract Number: B9606-6210R-058

**Title:** Equitable conditional access and copyright protection for image based on trusted third parties

**Author(s):** Boucqueau, J.-M.; Lacroix, S.; Macq, B.; Quisquater, J.-J.

**Author Affiliation:** Lab. de Telecommun., Univ. Catholique de Louvain, Belgium

**Conference Title:** Teleservices and Multimedia Communications. Second International COST 237 Workshop. Proceedings    p.229-43

**Editor(s):** Hutchinson, D.; Christiansen, H.; Coulson, G.; Danthine, A.

**Publisher:** Springer-Verlag, Berlin, Germany

**Publication Date:** 1996    **Country of Publication:** West Germany    vii+277 pp.

**ISBN:** 3 540 61028 6      **Material Identity Number:** XX96-00957

**Conference Title:** Teleservices and Multimedia Communications. Second International COST 237 Workshop. Proceedings

**Conference Date:** 20-22 Nov. 1995      **Conference Location:** Copenhagen, Denmark

**Language:** English      **Document Type:** Conference Paper (PA)

**Treatment:** Practical (P)

Abstract: Image communication needs new cryptological tools for conditional **access**, copyright protection and image **authentication**. The aim of this **paper** is to overview the corresponding systems' features. The design of efficient copyright protection by **watermarking** images and image **authentication** by signatures is also briefly discussed. It is shown that equitable systems need the use of a trusted third party, and a possible solution is presented. The implementation of this new function in the multimedia world strongly differs from that in the electronic data interchange environment where it is already well known. This difference will also be detailed. (9 Refs)

Descriptors: copyright; cryptography; message authentication; multimedia communication; visual communication

Identifiers: equitable conditional **access**; copyright protection; trusted third parties; image communication; cryptological tools; conditional **access**; image authentication; image watermarks; trusted third party; multimedia

Class Codes: B6210R (Multimedia communications); B6120B (Codes)

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17/5/21 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

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5039165 INSPEC Abstract Number: B9510-6120B-030, C9510-6130S-012

**Title: Multifeature security through homomorphic encryption**

Author(s): Beth, T.

Author Affiliation: Europaisches Inst. fur Systemsicherheit, Karlsruhe Univ., Germany

Conference Title: Advances in Cryptology - ASIACRYPT'94. 4th International Conference on the Theory and Applications of Cryptology. Proceedings p.3-17

Editor(s): Pieprzyk, J.; Safavi-Naini, R.

Publisher: Springer-Verlag, Berlin, Germany

Publication Date: 1995 Country of Publication: West Germany xii+430 pp.

ISBN: 3 540 59339 X

Conference Title: Advances in Cryptology - ASIACRYPT '94. 4th International Conference on the Theory and Applications of Cryptology

Conference Sponsor: Univ. Wollongong

Conference Date: 28 Nov.-1 Dec. 1994 Conference Location: Wollongong, NSW, Australia

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: In this **paper** we present the exponential security system TESS, developed at the European Institute for System Security (EISS), **embedded** in a package of freeware. TESS is based on the use of the one way function exp that had originally been described by Pohlig and Hellman and is the central feature in the well-known Diffie-Hellman key exchange protocol. The subsequent contributions by El-Gamal have indicated the multifeature capabilities of this proper one way function. Based on these results, the invention of the Beth-Schnorr-zero-knowledge protocols, an extension of the Chaum-Evertse-van de Graaf-Zero knowledge scheme, has made **authentication** and signature procedures available which support the view that the exponential one way function is a security primitive, suited for supporting practically all the mechanisms needed for the design of secure systems. The implementation of the **authenticated** key exchange protocol KATHY within the network security system SELANE developed at EISS, Karlsruhe, based on the Gunther-Bauspiess-Knobloch scheme, forms an integral part of TESS, providing a universal security toolbox for **access** control, **authentication**, key exchange, confidentiality protection, digital signatures and verifiable distributed network security management. (28 Refs)

Descriptors: authorisation; message authentication; public key cryptography; transport protocols

Identifiers: multifeature security; homomorphic encryption; exponential security system; TESS; EISS; one way function; network security management; key exchange protocol; zero knowledge protocols; zero knowledge scheme;

authentication; signature procedures; security primitive; secure systems; KATHY; network security system; SELANE; **access** control; confidentiality protection; digital signatures

Class Codes: B6120B (Codes); C6130S (Data security)  
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17/5/22 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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4778298 INSPEC Abstract Number: C9411-6130S-049

**Title: Security issuers in embedded networking**

Author(s): Eichin, M.

Author Affiliation: Cygnus Support, Mountain View, CA, USA

Conference Title: Proceedings of the Fifth Annual Embedded Systems Conference Part vol.1 p.159-69 vol.1

Publisher: Miller Freeman, San Francisco, CA, USA

Publication Date: 1993 Country of Publication: USA 2 vol. 1072 pp.

ISBN: 0 87930 306 9

Conference Title: Proceedings of the Fifth Annual Embedded Systems Conference

Conference Date: 5-8 Oct. 1993 Conference Location: Santa Clara, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: As **embedded** systems have become more advanced, the tools for working with them have also improved. Often the easiest way to debug an **embedded** device is to hook it up to a local network, and then interrogate the device using remote debugging tools, often on a workstation of some kind. Many devices continue to use a network in production, for reporting data or further diagnostics. These so-called local networks are often far more widespread-that is, after all, part of their convenience. This convenience can introduce a number of risks, due to unauthorized **access** to networked equipment. The **paper** considers how the Kerberos **Authentication** System, developed at MIT, is well suited to providing the missing pieces necessary to provide safety as well as convenience. (0 Refs)

Descriptors: authorisation; computer networks; message authentication; program debugging; real-time systems

Identifiers: embedded networking; security issuers; embedded systems; embedded device; debugging; local network; remote debugging tools; workstation; diagnostics; unauthorized **access** ; Kerberos Authentication System; server systems

Class Codes: C6130S (Data security); C0230 (Economic, social and political aspects); C5620 (Computer networks and techniques)

17/5/23 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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4710414 INSPEC Abstract Number: C9408-7000-001

**Title: Smart cards. Bibliography and information pack**

Author(s): Jaisingh, C.; Fountain, P.

Publisher: IEE, London, UK

Publication Date: 1994 Country of Publication: UK 91 pp.

ISBN: 0 85296 962 7

Language: English Document Type: Book (BK)

Treatment: Bibliography (B)

Abstract: Today we find our wallets and purses filled with numerous bank and credit cards. Soon these may all be replaced by smart cards-similar in appearance; but **embedded** with a microprocessor capable of handling much more information than the current magnetic stripe cards. With this capacity comes a corresponding increase in functionality-we could find these cards replacing not only the notes and coins in our purses, but also that large bunch of keys, our driving licences and passports. Perhaps we might even look forward to having just a single multifunction card to carry. Already

the smart card is being used for payment in public telephones, **access** to services such as home banking and subscription television, and for payment for public transport and parking. They are also finding applications in the business, government, financial, medical and health services. Trials and real applications are burgeoning around the world. Since its first use in France in the late 1980s, smart card technology has developed into a product that is expected to ship over 600 million units by 1996. This bibliography and information pack provides a useful guide to some of the many possible applications of smart cards, with over 150 **papers** from the INSPEC database covering financial systems, medical uses, **token** payment systems, and security and **access** control. Also included are chapters on the developing technology; standards and regulations; books and reports; suppliers and manufacturers; European events and market forecasts.

Descriptors: **access** control; cryptography; financial data processing; medical computing; smart cards

Identifiers: smart cards; bibliography; applications; INSPEC database; financial systems; medical uses; token payment systems; security; **access** control

Class Codes: C7000 (Computer applications); C5150 (Other circuits for digital computers)

17/5/24 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2000 Institution of Electrical Engineers. All rts. reserv.

03549099 INSPEC Abstract Number: B90009552, C90014736

**Title:** Authentication system using concealed image in telematics

**Author(s):** Komatsu, N.; Tominaga, H.

**Author Affiliation:** Dept. of Electron. & Commun. Eng., Waseda Univ., Tokyo, Japan

**Journal:** Memoirs of the School of Science & Engineering, Waseda University no.52 p.45-60

**Publication Date:** 1988 **Country of Publication:** Japan

**CODEN:** MSEWA6 **ISSN:** 0369-1950

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Practical (P)

**Abstract:** With the recent advances in telematics technology, it is expected that the amount of document-image information handled as data (telematics information) will increase. In this environment, there is likely to be a problem with the unauthorized duplication of such information, and for this reason the need is growing for both document-image information itself and for the means to verify the identity of the provider. The document-image information covered by such verification exists in a form that allows it to be **accessed** from a large number of nonspecified terminals, and therefore the **authentication** technique will require implementation in a form that unifies the information with the signature. This is a characteristic of document-image information, including natural images and photographs. The **paper** defines a coding technique implementing signature called digital **watermark** and discusses specific examples and safety evaluation results. Digital **watermark** utilizes the redundancy of document-image information and **embeds watermark** within the information. It can be fully implemented using conventional image coding techniques and the **paper** discusses a specific example using predictive coding. The safety of digital **watermark** was evaluated using a defined parameter for residual **watermark** and simulation indicated the resistance of the technique to unauthorized **access**. (15 Refs)

Descriptors: computerised picture processing; cryptography; data communication systems; data handling; data privacy; digital simulation; encoding

Identifiers: document-image information authentication system; unauthorized information duplication; telematics technology; implementing signature; digital watermark; safety evaluation; image coding techniques; predictive coding; simulation; unauthorized **access**

Class Codes: B6120B (Codes); B6210 (Telecommunication applications); C6130 (Data handling techniques); C5260B (Computer vision and picture processing); C5600 (Data communication equipment and techniques)

17/5/25 (Item 14 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2000 Institution of Electrical Engineers. All rts. reserv.

01270300 INSPEC Abstract Number: B78052004

**Title: Third International Conference on Metering, Apparatus and Tariffs for Electricity Supply**

Publisher: IEE, London, UK

Publication Date: 1977 Country of Publication: UK xi+286 pp.

Conference Sponsor: IEE

Conference Date: 15-17 Nov. 1977 Conference Location: London, UK

Language: English Document Type: Conference Proceedings (CP)

Treatment: General, Review (G)

Abstract: The following topics were dealt with: cost reflective tariff, load research monitoring, electronic prepayment meter, induction watthour meter, waveshape distortions, **token** meters, telecontrol, single phase credit meters, telemetering system, data loggers, remote meter reading, load control system, automatic meter testing, security, maximum demand limitation, industrial tariff meter, interruptible power rates, bulk supply tariff, demand level indicator, magnetic tape cassette recorder, measurement errors, capacitor voltage transformer, marginal cost **pricing**, advanced tariff system metering, mobile test equipment, ripple control, computer control, electronic **printometer** followed by maximum demand indicators. 60 **papers** were presented, of which all are published in full in the present proceedings.

Descriptors: electricity supply industry; metering; tariffs

Identifiers: cost reflective tariff; load research monitoring; electronic prepayment meter; induction watthour meter; waveshape distortions; token meters; telecontrol; single phase credit meters; telemetering system; data loggers; remote meter reading; load control system; automatic meter testing; security; maximum demand limitation; industrial tariff meter; interruptible power rates; bulk supply tariff; demand level indicator; magnetic tape cassette recorder; measurement errors; capacitor voltage transformer; marginal cost **pricing**; advanced tariff system metering; mobile test equipment; ripple control; computer control; electronic printometer; maximum demand indicators; electricity supply metering

Class Codes: B7210 (Instrumentation and measurement systems); B8110B (Power system management, operation and economics); B8150 (Power system measurement and metering)

17/5/26 (Item 1 from file: 233)  
DIALOG(R) File 233:MICROCOMPUTER ABSTRACTS  
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00468027 97WN08-027

**ScanJet 5 adds network support for NT -- HP Network ScanJet 5**

Yegulalp, Serdar

Windows Magazine, August 1, 1997, v8 n8 p172, 1 Page(s)

ISSN: 060-1066

Company Name: Hewlett-Packard

Product Name: HP Network ScanJet 5

Languages: English

Document Type: Hardware Review

Grade (of Product Reviewed): A

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows; Microsoft Windows 95; Microsoft Windows NT

Geographic Location: United States

Presents a very favorable review of the HP Network ScanJet 5 (\$2,999), a network scanner from Hewlett-Packard Co. (800, 208). Runs with IBM PC compatibles with Windows 3.x, 95, or NT. Explains that the Network ScanJet 5 provides network support for Windows NT using TCP/IP and IBM LAN Server and connects to Ethernet 10BaseT, **token** ring, 100BaseT, and 100VG networks. States that bundled software includes Caere OmniPage LE OCR software and that the ScanJet 5's front-end panel allows you to control where scans are routed on the network, from workstations to fax machines

and network **printers** . Reports that this scanner is fast and dependable, noting that the reviewer scanned hundreds of pages of double-sided jobs without even one **paper** jam. Concludes that the HP Network ScanJet 5 is the best network document scanner in its price range, awarding it the WINDOWS Magazine WinList seal. Includes one photo and a product summary. (jo)

Descriptors: Scanner; Networks; Network Management; Documentation;  
Token Ring; Bundled Software; Ethernet  
Identifiers: HP Network ScanJet 5; Hewlett-Packard

17/5/27 (Item 2 from file: 233)  
DIALOG(R)File 233:MICROCOMPUTER ABSTRACTS  
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00423657 96PM05-035

**Scan from your LAN**

Noble, Lisa La Grange

PC/Computing , May 1, 1996 , v9 n5 p88, 1 Page(s)

ISSN: 0899-1847

Company Name: Hewlett-Packard

Product Name: HP ScanJet 4Si

Languages: English

Document Type: Hardware Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: 386-based PC; NetWare

Geographic Location: United States

Presents a favorable review of the ScanJet 4Si (\$2,999 for Ethernet, \$3,199 for **Token** Ring), a black and white scanner from Hewlett-Packard (800, 408). The scanner provides 8-bit, grayscale, flatbed scanning at a resolution of 300-by-1,200 dpi. The scanner requires a 386-based PC server or better with 8.5MB RAM, 15.5MB hard disk space, and NetWare 3.1 or later. Network users must walk to the scanner's **location** to scan, but once a scan is completed it can be sent to the user's desktop or to anyone else on a network, or it can be used as a copier by sending the job to a networked **printer** . The scanner includes a 20-user license for Visioneer's **PaperPort** 3.0 software which can manage, edit, and copy documents and includes **OCR** . The software can also link to fax, e-mail, and other apps. This is the only scanner available which can serve an entire LAN. Includes one photo. (djd)

Descriptors: Scanner; Optical Character Recognition; Hardware Review;  
Local Area Networks

Identifiers: HP ScanJet 4Si; Hewlett-Packard

17/5/28 (Item 3 from file: 233)  
DIALOG(R)File 233:MICROCOMPUTER ABSTRACTS  
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00405277 95WN12-009

**Laser beams color over LAN: Xerox XPrint 4920**

McKeefry, Hailey Lynne

Windows Magazine , December 1, 1995 , v6 n14 p176, 1 Page(s)

ISSN: 1060-1066

Company Name: Xerox Corp.

Product Name: Xerox XPrint 4920

Languages: English

Document Type: Hardware Review

Grade (of Product Reviewed): B

Geographic Location: United States

Presents a favorable review of the Xerox XPrint 4920 (\$7,995), a color laser **printer** from Xerox Corp. (800, 716). Comes with standard Centronic Parallel, LocalTalk, and RS-232C serial interfaces, along with optional Ethernet, **Token** Ring, and Auto-Protocol Sensing interfaces. States that included software provides simple **access** to, and control of, network functionality, including port and server setup. Supports **paper** weights from 16 to 43 pounds, and it can handle 250 sheets of **paper** or 75 transparencies, with an optional 1,500-page sheet feed. Reports that the

XPrint can be easily used for both color and black-and-white **printing**, and indicates that **print** speed is three ppm for color, six ppm for duotone documents, and 12 ppm for monochrome. Says its 600-dpi output is clear and crisp, and its color does not scratch or flake off the page. However, says that color costs 20 cents per page to **print**. Includes one photo. (jo)

Descriptors: Laser Printer; Color Printer; Price; Hardware Review  
Identifiers: Xerox XPrint 4920; Xerox Corp.

17/5/29 (Item 1 from file: 144)  
DIALOG(R)File 144:PASCAL  
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10601790 PASCAL No.: 93-0111042  
From vision to reality: implementing the distributed electronic library  
ASIS 92 : proceedings of the 55nd ASIS annual meeting, Pittsburgh PA,  
October 26-29, 1992  
TROLL D A; RICHARDS B G  
SHAW Debora, ed  
Carnegie Mellon univ., Pittsburgh PA, USA  
American Society for Information Science, Washington DC, USA.  
American Society for Information Science. Annual meeting, 55 (Pittsburgh  
PA USA) 1992-10-26  
Journal: Proceedings of the ASIS annual meeting, 1992, 29 144-149  
ISSN: 0044-7870 Availability: INIST-22206; 354000032157050200  
No. of Refs.: 3 ref.  
Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)  
Country of Publication: USA  
Language: English  
This **paper** describes how the Mercury electronic library moved from a prototype to a full production system supporting the Carnegie Mellon community. The focus is on how a critical examination of technical and user interface problems in the first Library Information System (LIS) at Carnegie Mellon translated into the design of a second generation system, LIS II. Built on a platform of small, distributed computers rather than a large, central mainframe, LIS II demonstrates that a distributed electronic library is usable and affordable. Bibliographic and full text databases in LIS II reside on different RISC servers, transparent to the user. Distributed retrieval is integrated with other network services, such as the file system, **authentication** and protection, electronic mail and **printing**. Different user interfaces are provided for different machines. LIS II delivers information in ASCII and bitmapped "page image" format to the user's desktop. It uses standards as much as possible, including the Z39.50 retrieval protocol, and supports two retrieval engines

English Descriptors: Library network; Information network; University library; Information system; Distributed system; Computer network; Equipment; Information **access** ; On line processing; Full text; Bibliographic reference; Multiple **access** ; User interface; System evaluation; Performance; Time allowed; User; Multiple; Electronic library

French Descriptors: Réseau bibliotheque; Réseau information; Bibliotheque universitaire; Systeme information; Systeme reparti; Réseau ordinateur; Equipement; Acces information; Traitement en ligne; Texte integral; Reference bibliographique; Acces multiple; Interface utilisateur; Evaluation systeme; Performance; Delai d'execution; Utilisateur; Multiple ; LIBRARY INFORMATION SYSTEM II; Bibliotheque electronique

Classification Codes: 001A01C04; 205



Set	Items	Description
S1	1375	AU=THORNTON J?
S2	1181	AU=THORNTON, J?
S3	20	AU=LAMARCA, A?
S4	12	AU=LAMARCA A?
S5	28013	AUTHENTICAT? OR SATCHEL? OR TOKEN?
S6	1376555	LINK? OR POINTER? OR ADDRESS? OR INDICATOR? OR MARKER?
S7	2	(S1 OR S2 OR S3 OR S4) AND S5
S8	52	(S1 OR S2 OR S3 OR S4) AND S6
S9	4	S8 AND (VERIF? OR S5 OR ENCRYPT? OR ACCESS? OR ENCIPHER? OR ENCIPHER? OR ENCODE? OR MOBILE? OR PRINTED)
S10	6	S7 OR S9
S11	6	RD (unique items)
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File 94: JICST-EPlus 1985-2000/Oct W2		
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File 438: Library Literature 1984-2000/Dec		
(c) 2000 The HW Wilson Co		
File 61: LISA(LIBRARY&INFOSCI) 1969-2000/DEC		
(c) 2000 REED REFERENCE PUBLISHING		
File 111: TGG Natl. Newspaper Index(SM) 1979-2000/Jan 28		
(c) 2000 The Gale Group		
File 233: MICROCOMPUTER ABSTRACTS 1981-2000/JAN		
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File 6: NTIS 64-2000/Feb W2		
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File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec		
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File 62: SPIN(R) 1975-2000/Dec W2		
(c) 2000 American Institute of Physics		
File 99: Wilson Appl. Sci & Tech Abs 1983-2000/Dec		
(c) 2000 The HW Wilson Co.		

11/5/1 (Item 1 from file: 108)  
DIALOG(R)File 108:AEROSPACE DATABASE  
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02102602 N93-16109

**The IEEE-488 interface to Paragon 500 process control software**

THORNTON, J. D.

Department of Energy, Morgantown, WV. Energy Technology Center.

CORPORATE CODE: DM226327

Jun. 1992 22P.

REPORT NO.: DE92-001289; DOE/METC-92-4111

LANGUAGE: English

COUNTRY OF ORIGIN: United States COUNTRY OF PUBLICATION: United States

DOCUMENT TYPE: REPORT

DOCUMENTS AVAILABLE FROM AIAA Technical Library

OTHER AVAILABILITY: CASI HC A03/MF A01

JOURNAL ANNOUNCEMENT: STAR9305

An IEEE-488 interface has been developed to link the NEFF 470 Data Acquisition Hardware to the Paragon 500 Process Control Software. This interface allows the user to use the features within Paragon 500 to display data from the Data Acquisition Hardware. Furthermore, by using Paragon 500 software to perform Automated Process Control, the networking capabilities of Paragon 500 allows the Process Control System to monitor real-time data from the Data Acquisition System via an Ethernet Network connection. This allows remote **access** to process variable data from any Paragon station configured on that network. (DOE)

SOURCE OF ABSTRACT/SUBFILE: DOE

DESCRIPTORS: \*AUTOMATIC CONTROL; \*COMPUTER PROGRAMS; \*COMPUTER SYSTEMS PROGRAMS; \*DATA ACQUISITION; \*DATA PROCESSING; \*DATA TRANSMISSION; \*LOCAL AREA NETWORKS; \*MAN-COMPUTER INTERFACE; \*NETWORK CONTROL; \*PROCESS CONTROL (INDUSTRY); MEASURING INSTRUMENTS; MONITORS; REAL TIME OPERATION

SUBJECT CLASSIFICATION: 7561 Computer Programming & Software (1975-)

11/5/2 (Item 1 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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05449409 E.I. No: EIP99124951562

**Title: Measurement of strains within the bulk of aged and as-sprayed thermal barrier coatings using synchrotron radiation**

Author: Thornton, J. ; Cookson, D.; Pescott, E.

Corporate Source: DSTO, Victoria, Aust

Conference Title: Proceedings of the 1999 26th International Conference on Metallurgical Coatings and Thin Films (ICMCTF99)

Conference Location: San Diego, CA, USA Conference Date: 19990412-19990415

E.I. Conference No.: 56157

Source: Surface and Coatings Technology v 120 1999. p 96-102

Publication Year: 1999

CODEN: SCTEEJ ISSN: 0257-8972

Language: English

Document Type: JA; (Journal Article) Treatment: X; (Experimental)

Journal Announcement: 0002W2

Abstract: Typical thermal barrier coatings (TBCs) consist of a 0.3 mm layer of zirconia over a 0.2 mm layer of NiCoCrAlY. They are often used in gas turbine engines to thermally insulate components. The insulation reduces the temperature of the components and thereby increases their durability. Coating lifetimes are unpredictable due to an incomplete understanding of how the zirconia layer delaminates, although the compressive stresses inflicted upon the layer during cooling of the components are believed to play an important role. In this work, coated superalloy (Hastelloy-X) **tokens** were held at 1150 degree C for 20 h and then rapidly cooled. The residual stresses were measured using 0.0729 nm synchrotron X-rays at the Australian National Beamline Facility (Photon Factory, Japan). The maximum compressive stress was found to be 450 plus or minus 50 MPa, which compared well to the predicted value of 440 MPa. The stress in an unheated TBC sample was found to be comparatively small (

minus 100 plus or minus 70 MPa). (Author abstract) 17 Refs.

Descriptors: \*Protective coatings; Zirconia; Nickel alloys; Thermal insulation; Sprayed coatings; Gas turbines; Compressive stress; Durability; Superalloys; High temperature effects

Identifiers: Thermal barrier coatings

Classification Codes:

539.2.2 (Protecting Materials)

539.2 (Corrosion Protection); 813.2 (Coating Materials); 804.2 (Inorganic Components); 548.2 (Nickel Alloys); 413.2 (Heat Insulating Materials); 612.3 (Gas Turbines & Engines)

539 (Metals Corrosion & Protection); 813 (Coatings & Finishes); 804 (Chemical Products); 548 (Nickel & Alloys); 413 (Insulating Materials); 612 (Combustion Engines)

53 (METALLURGICAL ENGINEERING); 81 (CHEMICAL PROCESS INDUSTRIES); 80 (CHEMICAL ENGINEERING); 54 (METAL GROUPS); 41 (CONSTRUCTION MATERIALS); 61 (PLANT & POWER ENGINEERING)

11/5/3 (Item 1 from file: 35)

DIALOG(R)File 35:DISSERTATION ABSTRACTS ONLINE

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695619 ORDER NO: AAD80-23179

**THE IDENTIFICATION AND VERIFICATION OF KNOWLEDGE AND SKILLS OF LINKING AGENTS**

Author: THORNTON, JAMES RICHARD

Degree: ED.D.

Year: 1980

Corporate Source/Institution: UNIVERSITY OF GEORGIA (0077)

Source: VOLUME 41/04-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1384. 139 PAGES

Descriptors: EDUCATION, CURRICULUM AND INSTRUCTION

Descriptor Codes: 0727

The purposes of the study were: (1) to identify and **verify** the perceived importance of knowledge of activities associated with the functions of **linking** agents, and (2) to determine the perceived level of skill with which **linking** agents performed these activities.

The population consisted of **linking** agents, project coordinators and steering committee members involved in the Georgia Research and Development Utilization Project from three Cooperative Educational Service Agencies and 38 school systems. An adapted version of the Consultant/**Linker** Knowledge and Skills Inventory was used. The instrument contained 96 activity statements to which the respondent reacted in terms of the knowledge and skills of **linking** agents. Ranking the activity statements by mean score, 46 were determined to be most important to know and the **linking** agents were perceived to have performed 45 activities with a high level of skill. Thirty-nine activity statements were common to both the knowledge and skills components.

Activities related to interpersonal skills and to one's ability to facilitate the problem solving process were considered most important for **linking** agents to know in working and planning for educational change. **Linking** agents were rated as performing these activities with a high level of skill which indicates an awareness by them of the importance of these activities.

11/5/4 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2000 Institution of Electrical Engineers. All rts. reserv.

02095265 INSPEC Abstract Number: B83045431

Title: MCPR-an LPI wideband cable replacement radio

Author(s): Thornton, J.W. ; Strozyk, J.W.

Author Affiliation: Norden Systems Inc., Norwalk, CT, USA

Conference Title: Southcon '83. Electronics Show and Convention p.  
21/2/1-15

Publisher: Electron. Conventions, El Segundo, CA, USA  
Publication Date: 1983 Country of Publication: USA 724 pp.  
Conference Date: 18-20 Jan. 1983 Conference Location: Atlanta, GA, USA  
Language: English Document Type: Conference Paper (PA)  
Treatment: Experimental (X)

Abstract: The most significant challenge with regard to the development of the Multichannel Command Post Radio (MCPR) system was to achieve multiRF channel operation. The program objective was to achieve a minimum of five RF channels designed for operation within the 36-38.6 GHz band; giving the Command Post the capability of operating five links, side by side, on a non-interfering basis, each with a full duplex data rate capability of 20 megabits per second. Achievement of the MCPR design goals together with its inherent low probability of intercept (LPI) characteristics would allow for remote operation of the command post with low RF signature. Program achievements and status together with a discussion of the design approach employed to meet significant system requirements are discussed. (7 Refs)

Descriptors: microwave links; military equipment; mobile radio systems

Identifiers: data rate 20 mbits/s; frequency range 36-38.6 GHz; EHF; microwave links; MM wave links; data links; LPI wideband cable replacement radio; Multichannel Command Post Radio; multiRF channel operation; five RF channels; full duplex; design goals; low probability of intercept; status; design approach; system requirements

Class Codes: B6250D (Point-to-point radio systems); B6250F (Mobile radio systems); B7930 (Military communications)

11/5/5 (Item 1 from file: 6)  
DIALOG(R)File 6:NTIS  
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1694967 NTIS Accession Number: DE92001289

IEEE-488 interface to Paragon 500 Process Control Software. Technical note

Thornton, J. D.

Department of Energy, Morgantown, WV. Morgantown Energy Technology Center.

Corp. Source Codes: 055215002; 9512876

Report No.: DOE/METC-92/4111

Jun 92 22p

Languages: English

Journal Announcement: GRAI9305; ERA9304

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

An IEEE-488 interface has been developed to link the NEFF 470 Data Acquisition Hardware to the Paragon 500 Process Control Software. This interface allows the user to use the features within Paragon 500 to display data from the Data Acquisition Hardware. Furthermore, by using Paragon 500 software to perform Automated Process Control, the networking capabilities of Paragon 500 allows the Process Control System to monitor real-time data from the Data Acquisition System via an Ethernet Network connection. This allows remote access to process variable data from any Paragon station configured on that network.

Descriptors: \*Data Acquisition Systems; \*Process Control; Automation; Computer Codes; Computer Program Documentation; Measuring Instruments

Identifiers: EDB/990301; NTISDE

Section Headings: 41B (Manufacturing Technology--Computer Aided Manufacturing (CAM)); 94A (Industrial and Mechanical Engineering--Production Planning and Process Controls)

11/5/6 (Item 2 from file: 6)  
DIALOG(R)File 6:NTIS  
Comp&distr 1998 NTIS, Intl Copyright All Righ. All rts. reserv.

1511213 NTIS Accession Number: PB90-224031

**Token Passing: A Simple Conceptual Model for Connected Speech Recognition Systems**

Young, S. J. ; Russell, N. H. ; Thornton, J. H. S.

Cambridge Univ. (England). Dept. of Engineering.

Corp. Source Codes: 005285015;

Sponsor: British Telecom Research Labs., Ipswich (England).; Logica Ltd., London (England).

Report No.: CUED/F-INFENG/TR-38

31 Jul 89 27p

Languages: English

Journal Announcement: GRAI9016

Prepared in cooperation with British Telecom Research Labs., Ipswich (England), and Logica Ltd., London (England).

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC E06/MF E06

Country of Publication: United Kingdom

The paper describes a simple but powerful abstract model in which connected word recognition is viewed as a process of passing **tokens** around a transition network. The advantages of this unifying view are many. The various apparently different connected word algorithms can be represented within the same conceptual framework simply by changing the network topology, the application of grammatical constraints is straightforward, and perhaps most importantly, the entire structure is independent of the actual underlying pattern matching technology. To illustrate the power of this conceptual model, the paper concludes by describing some work done under the UK Alvey-sponsored VODIS Project in which the **Token** Passing paradigm enabled the One Pass algorithm to be straightforwardly extended to include the generation of multiple alternatives and context free syntactic constraints.

Descriptors: \*Speech recognition; \*Models; Algorithms; Syntax; Grammars; Semantics; Systems engineering

Identifiers: \*Foreign technology; NTISDFMBR

Section Headings: 45F (Communication--Verbal); 62GE (Computers, Control, and Information Theory--General)

Christopher Tucker:

Attached please find the results of your search request re:  
Paper Document Satchels.

I conducted an inventor name search, as well as searching the  
WWW and Dr. Link.

Please let me know if you would like to try a different  
strategy or additional terminology.

David Holloway  
308-7794